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FIGURE 1

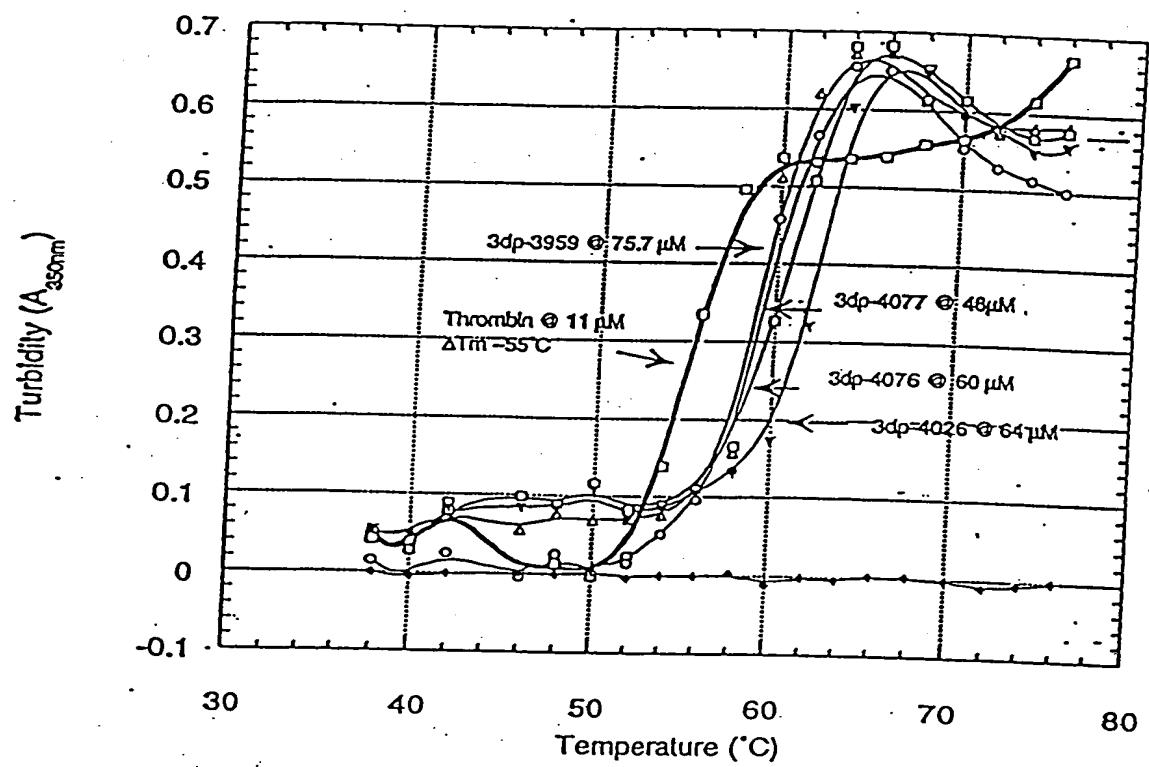


FIGURE 2

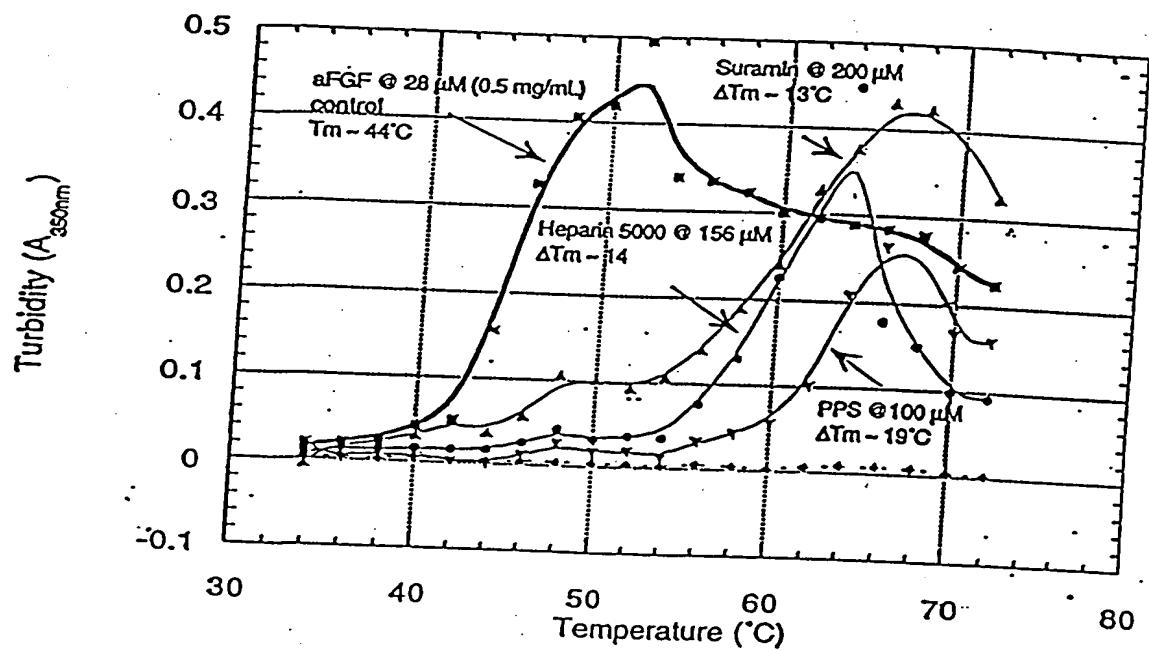


FIGURE 3

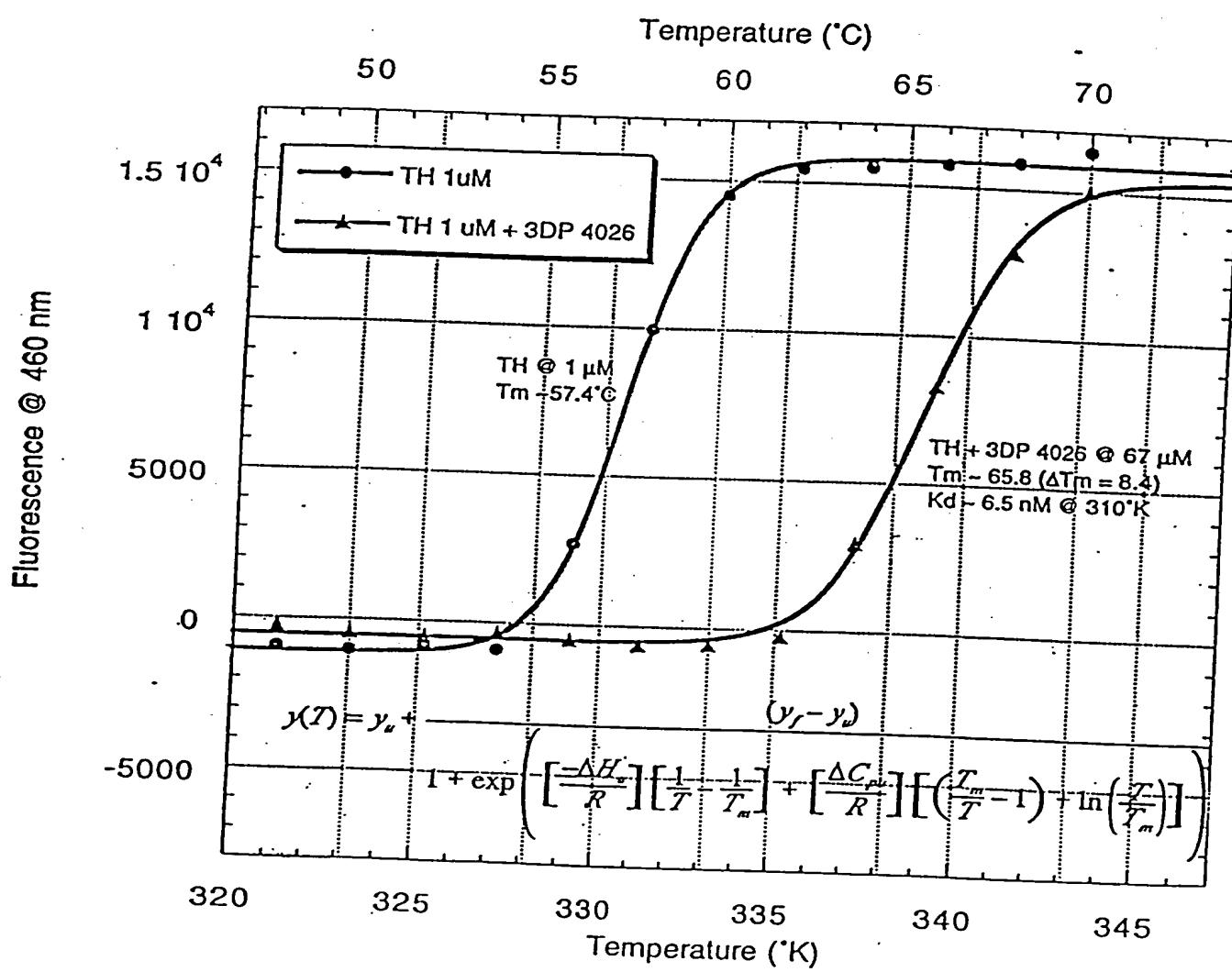
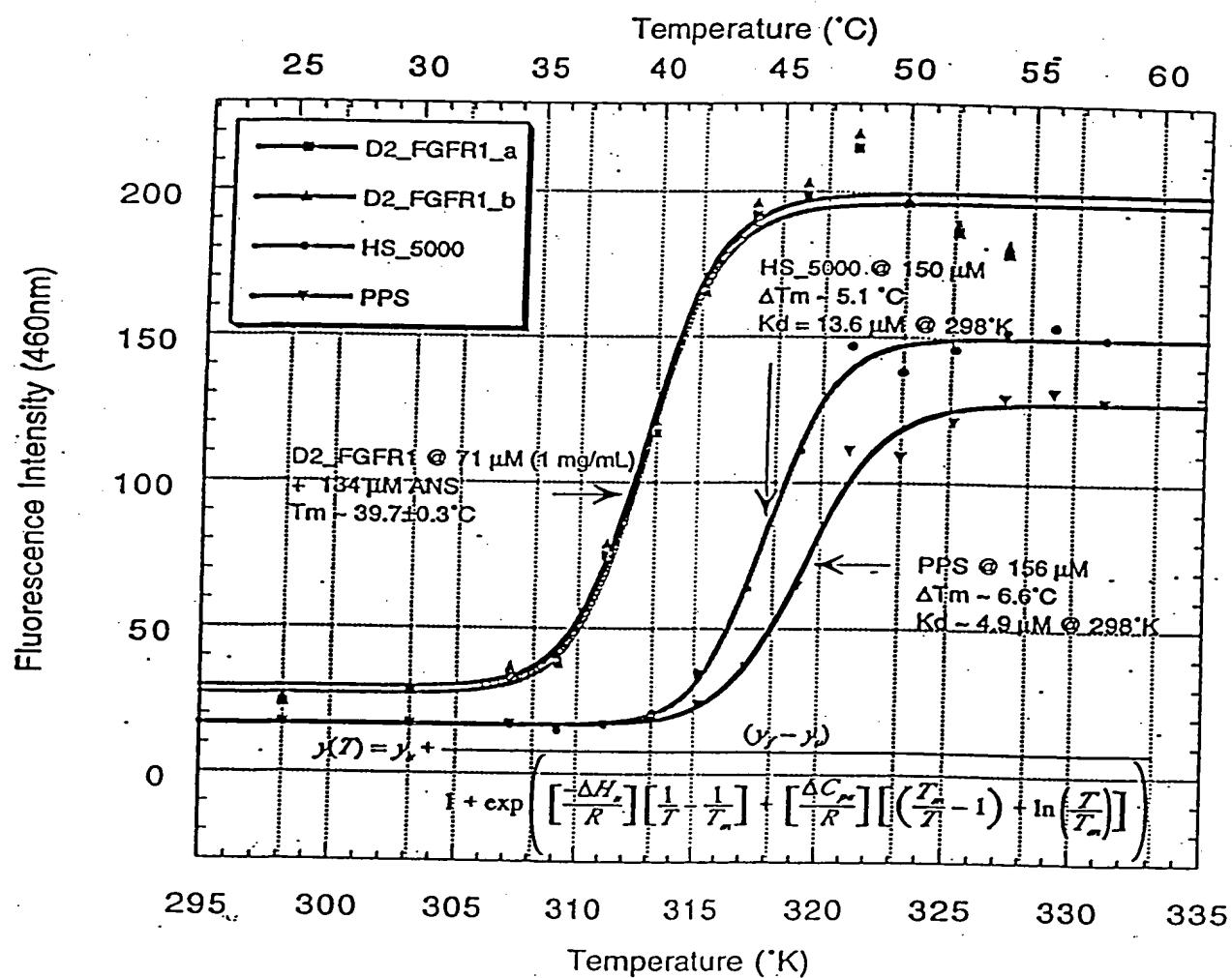


FIGURE 4



FIGURES 5

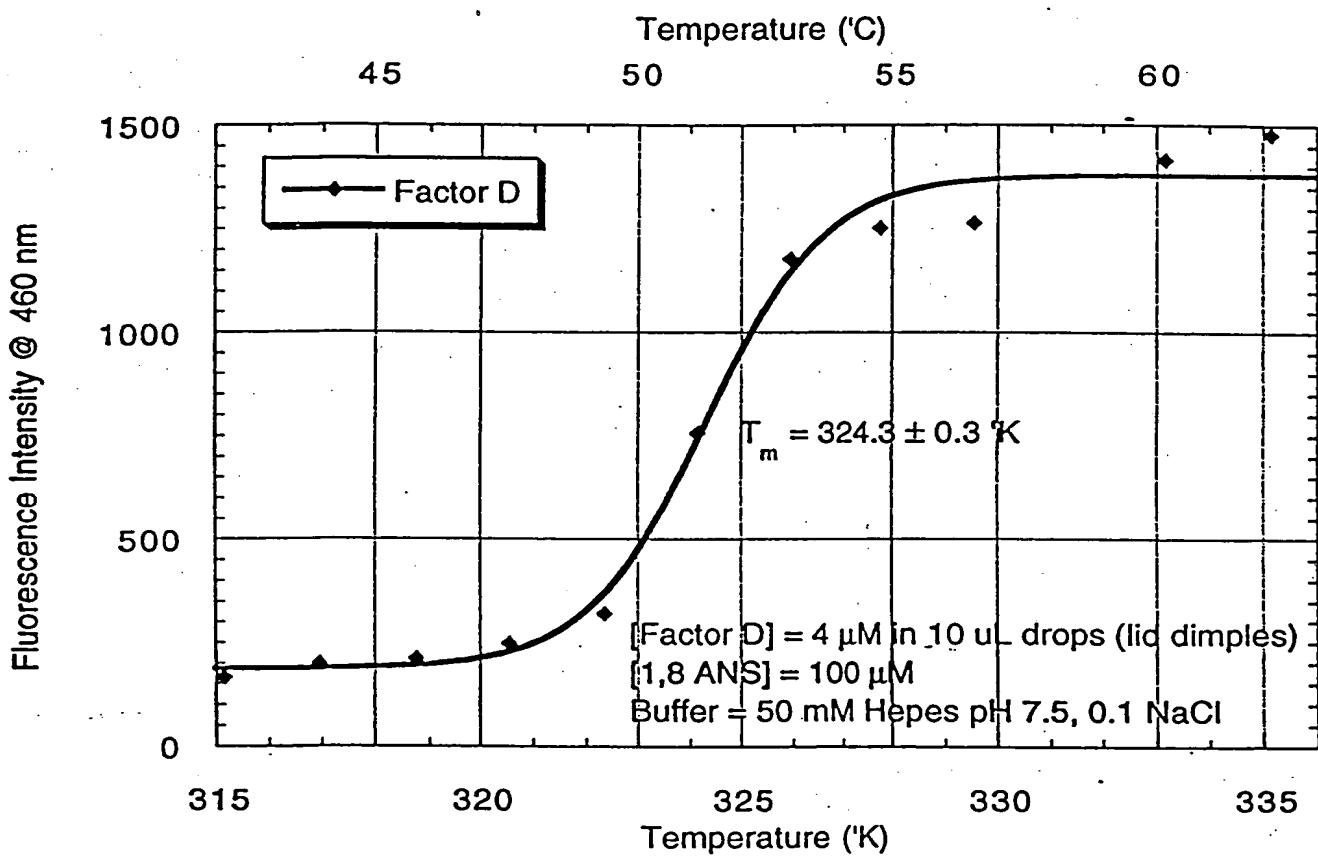


FIGURE 6

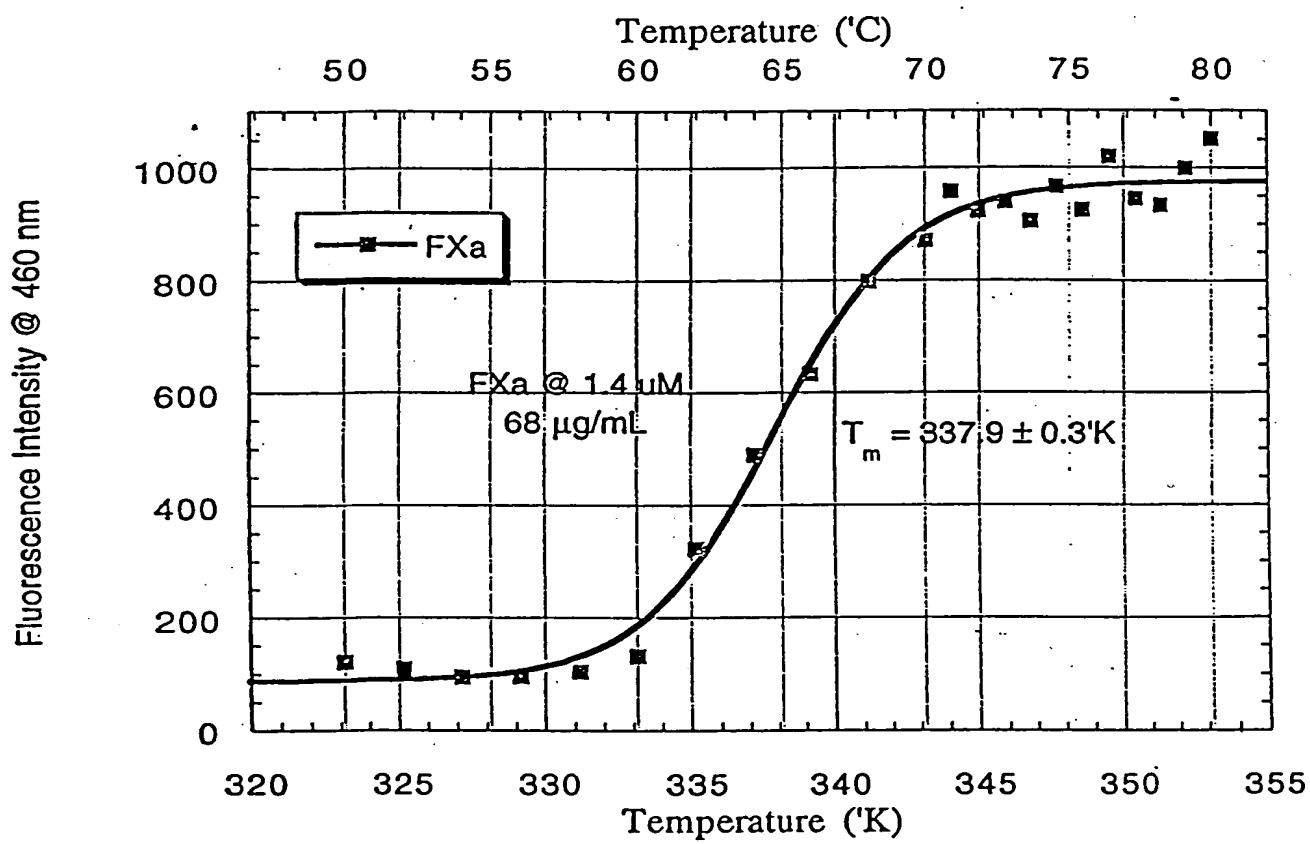


FIGURE 7

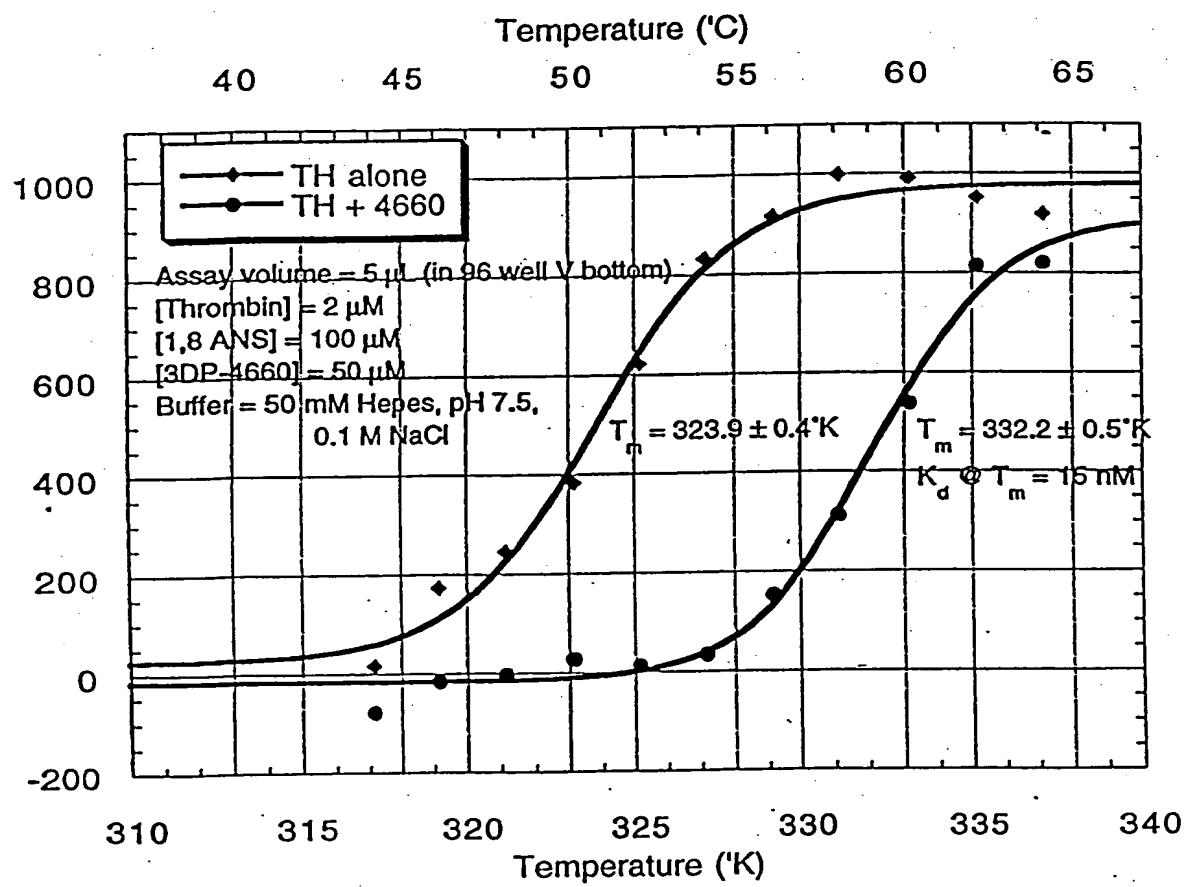


FIGURE 8

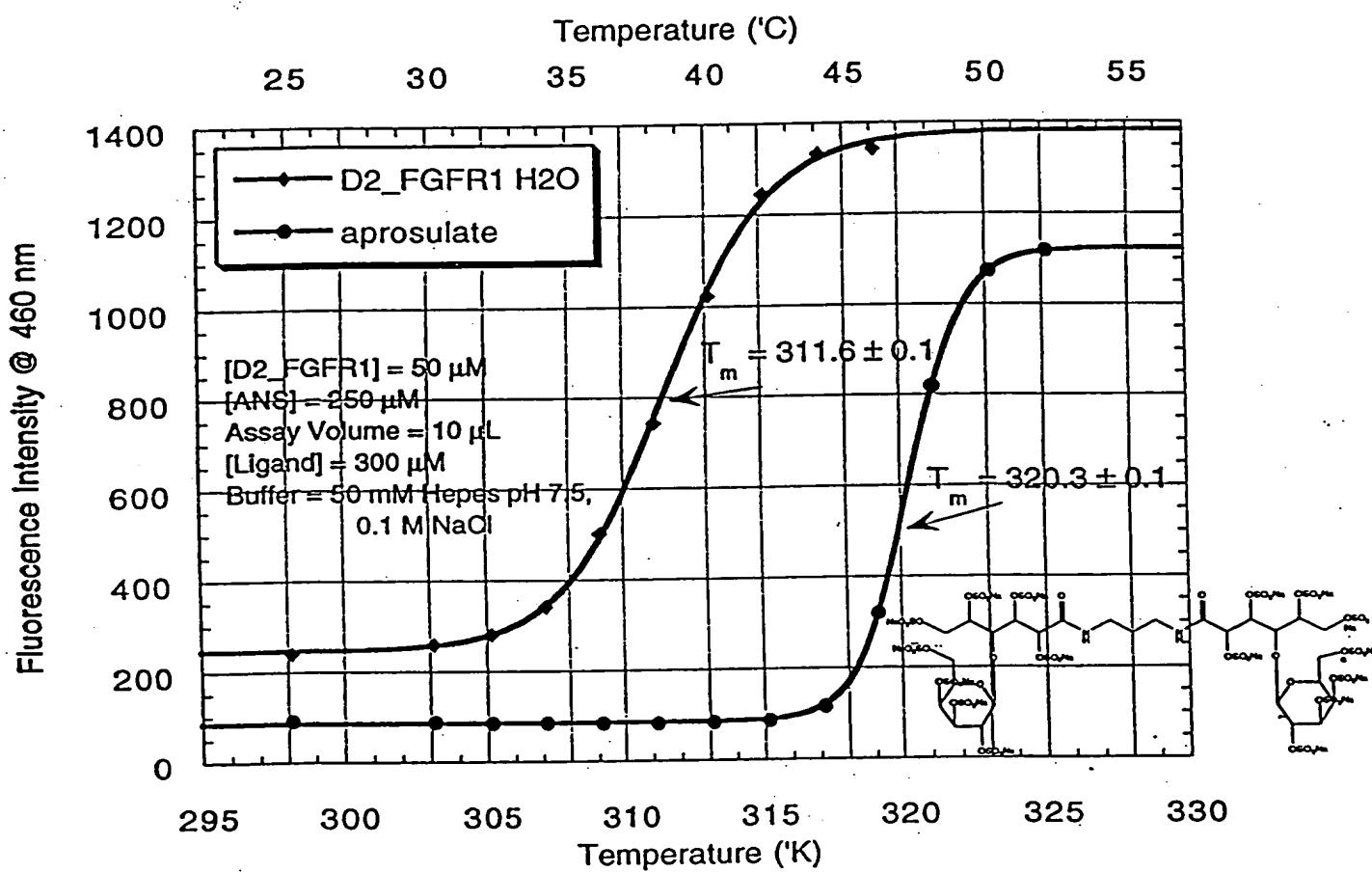


FIGURE 9

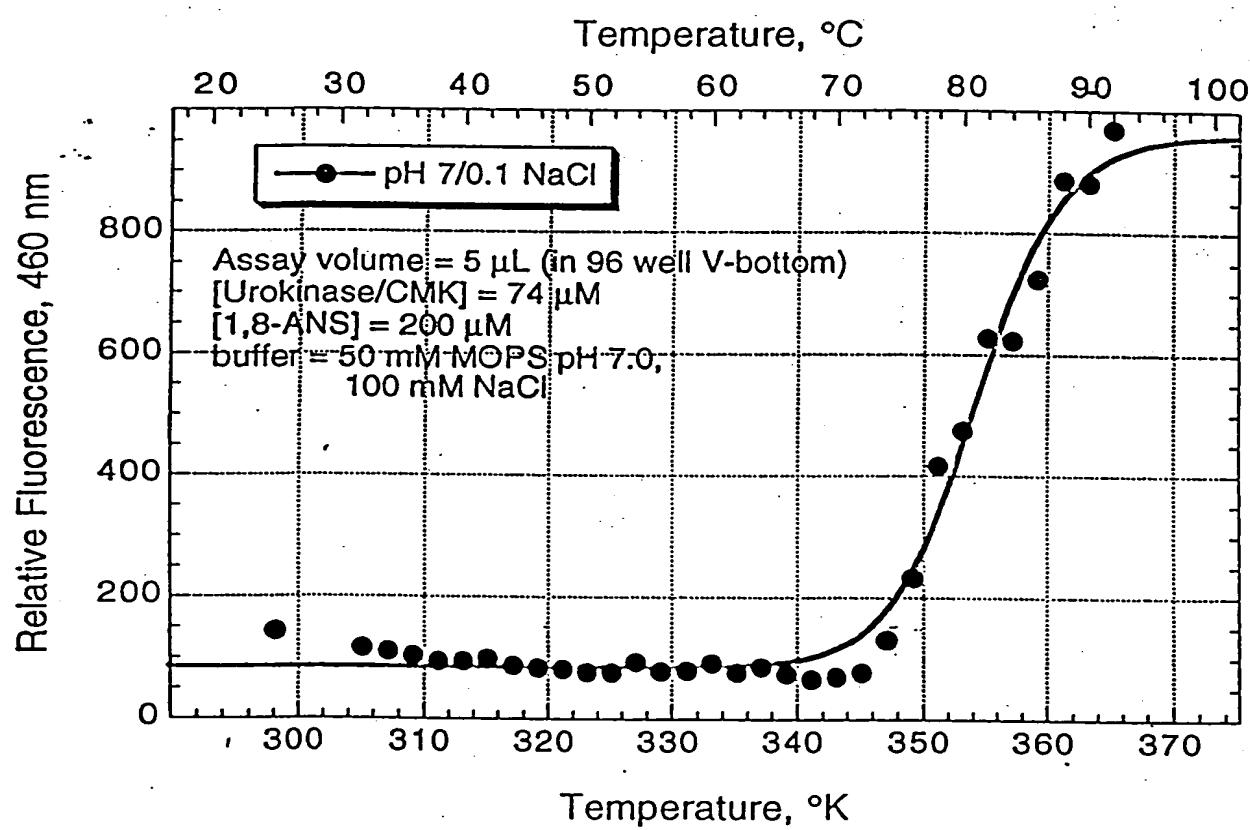


FIGURE 10

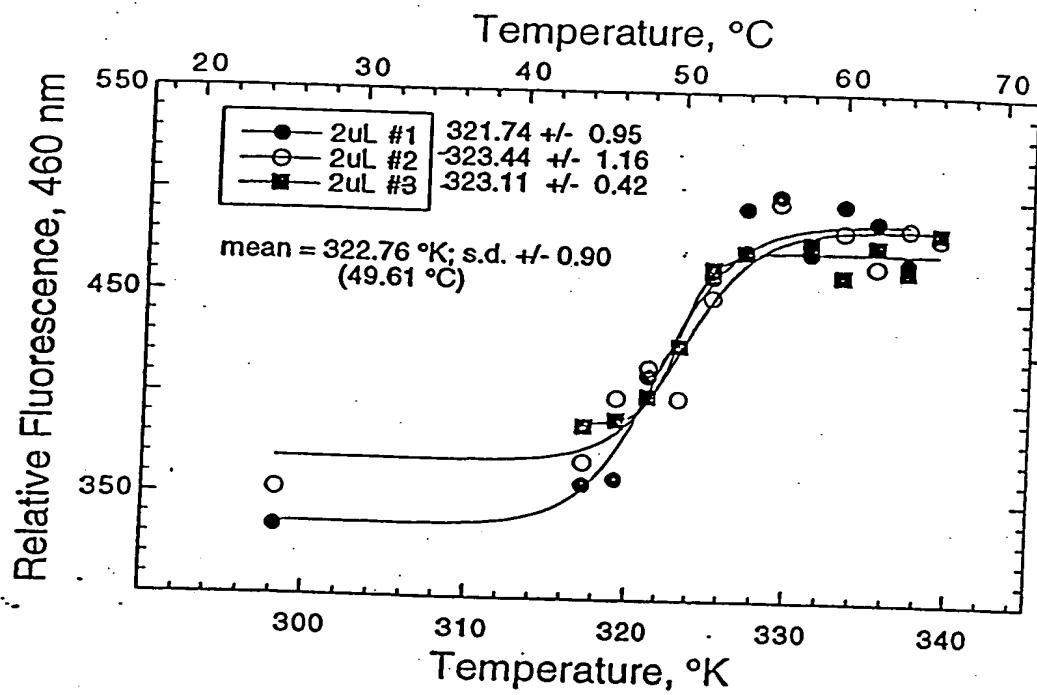


FIGURE 11

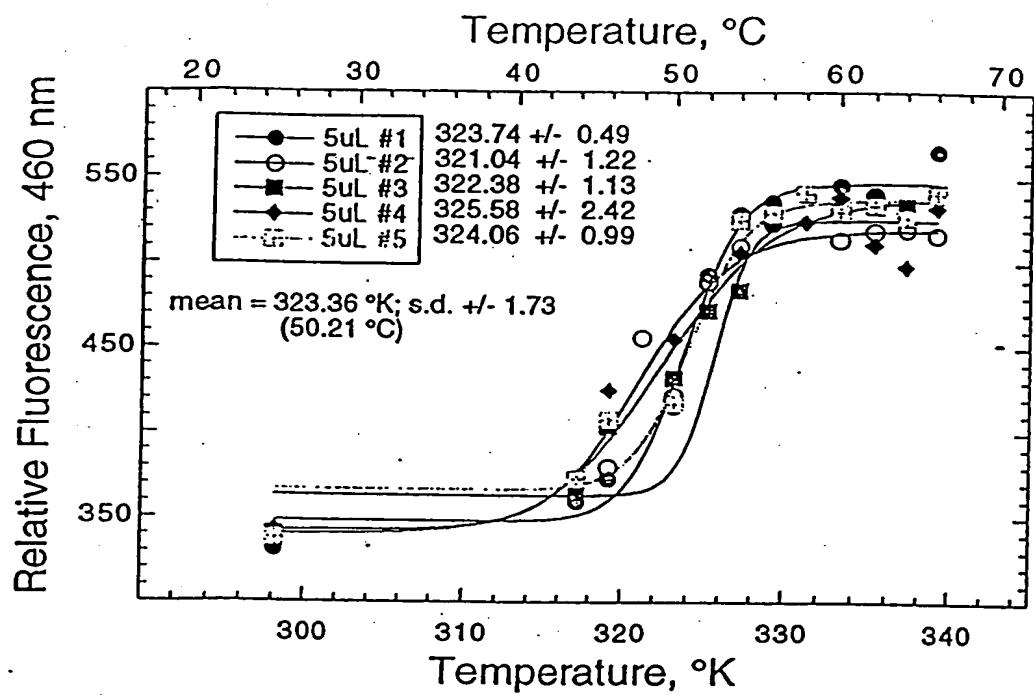


FIGURE 12

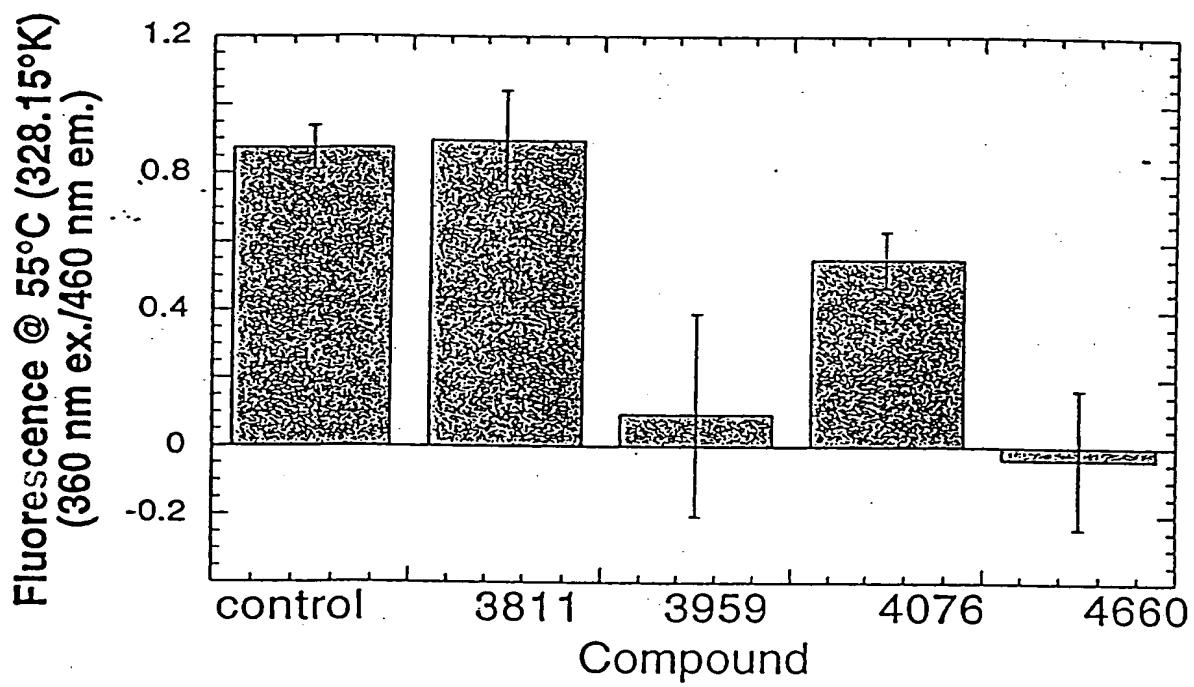


FIGURE 1.3

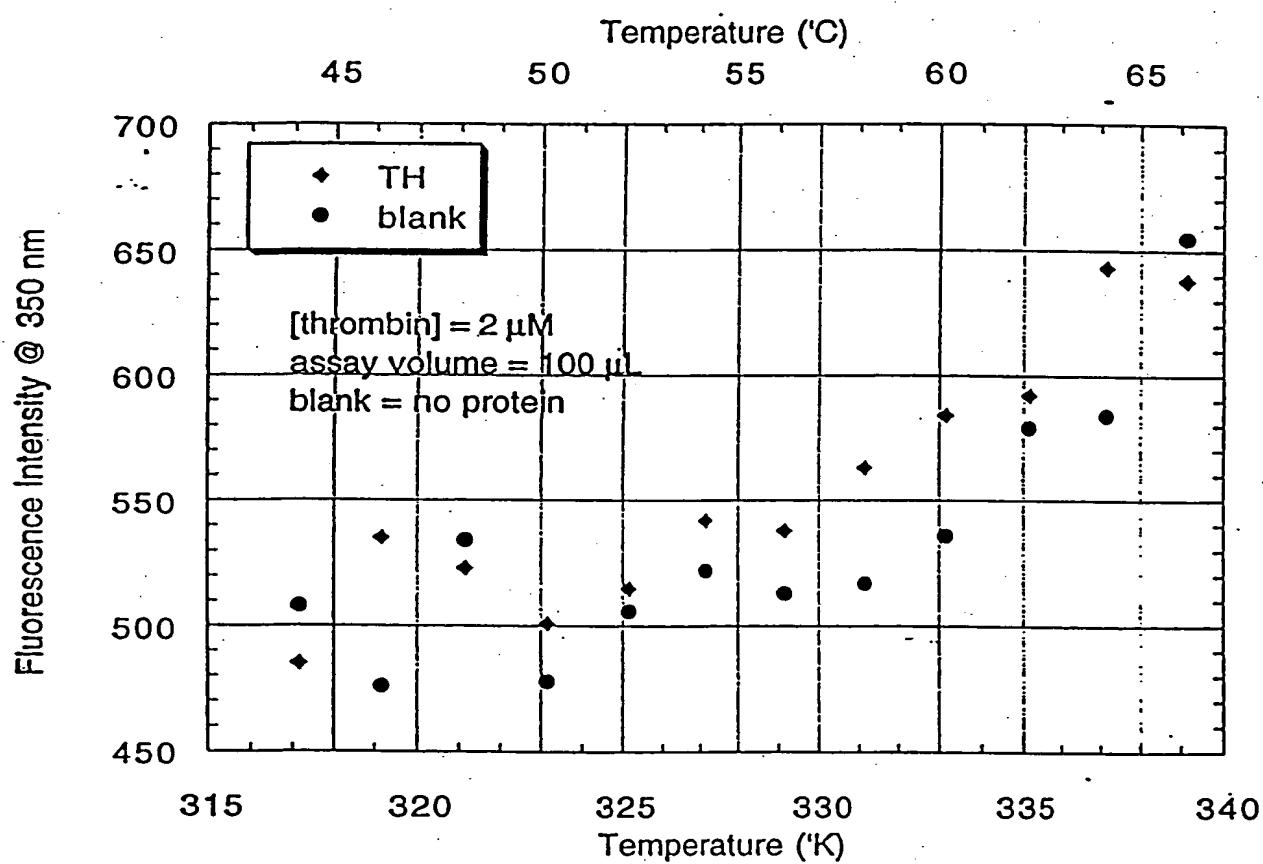


FIGURE 14

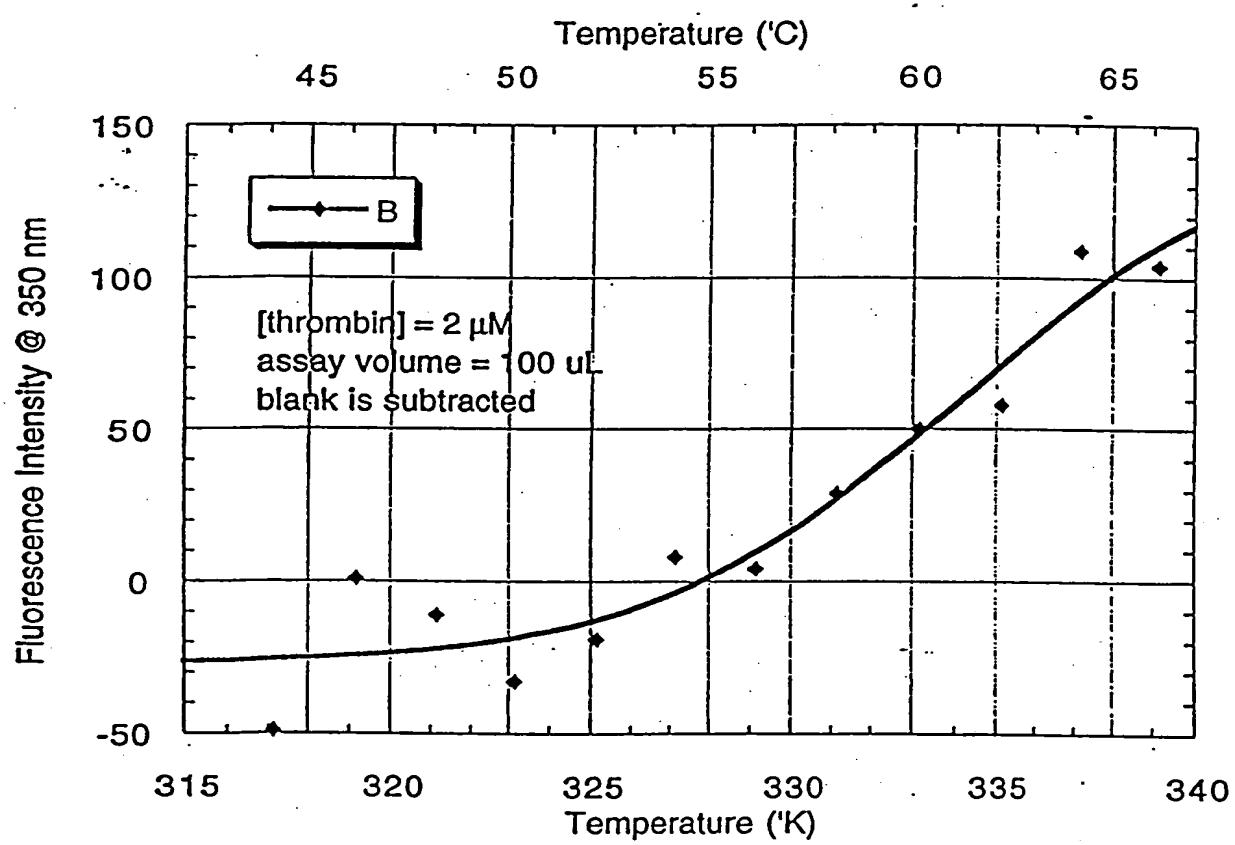


FIGURE 15

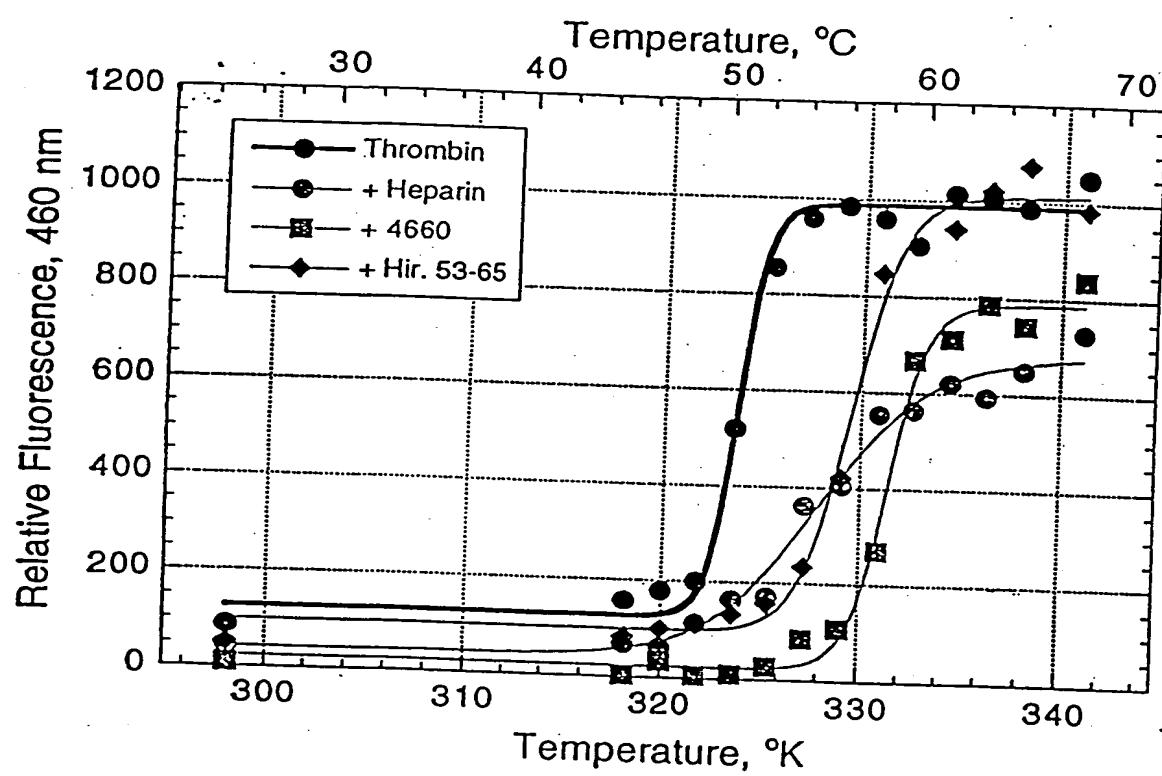


FIGURE 16

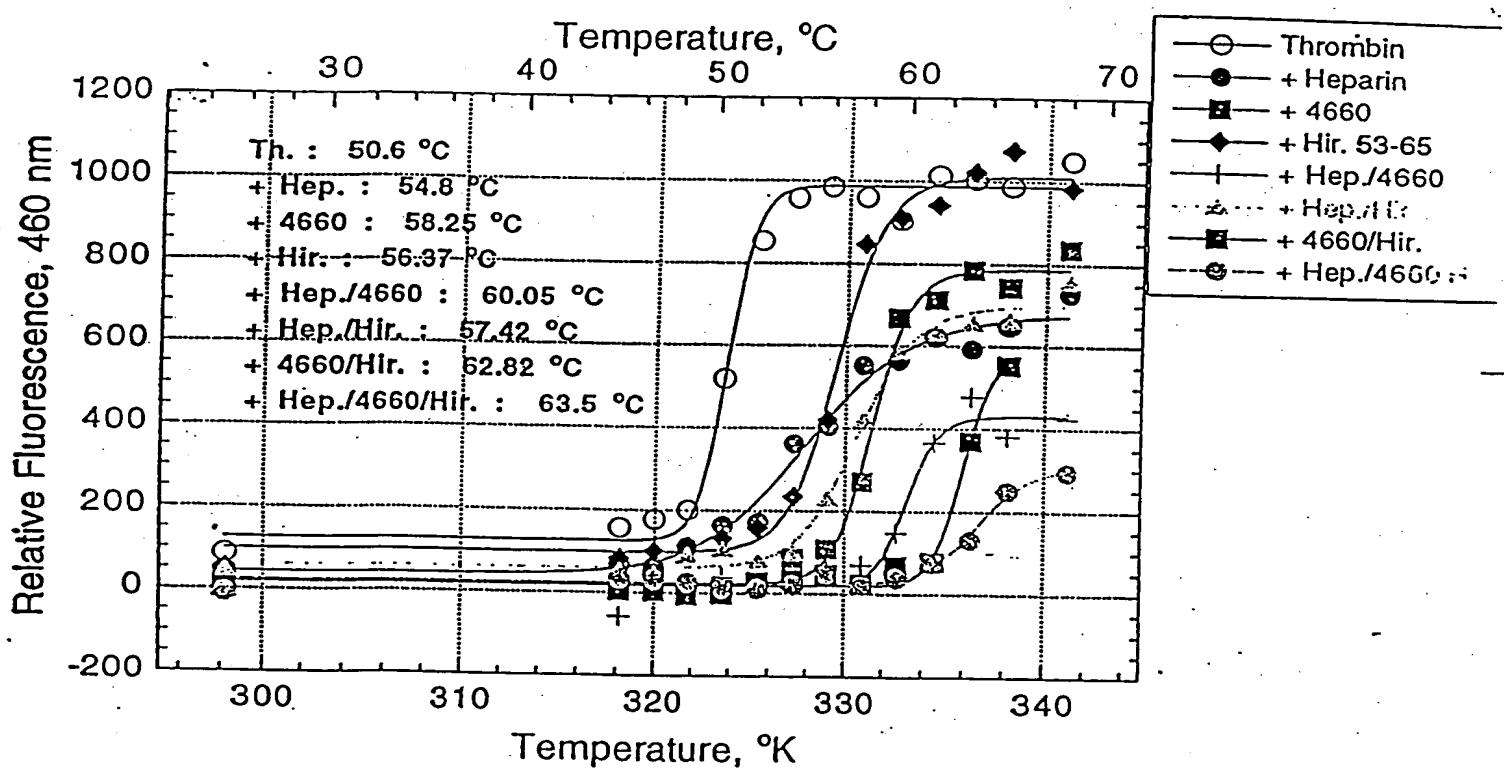


FIG. 17A

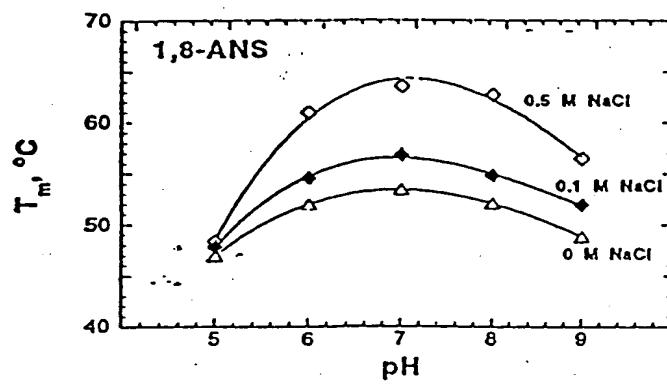


FIG. 17B

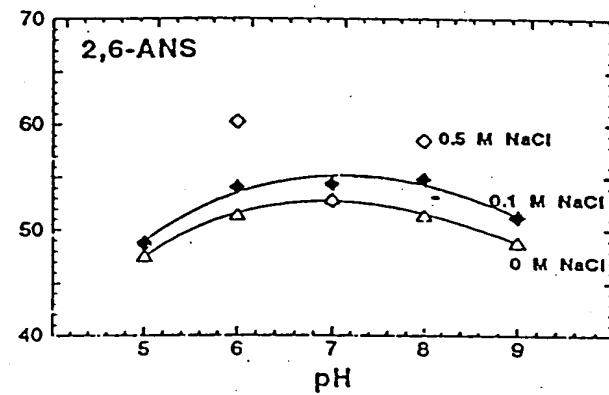


FIG. 17C

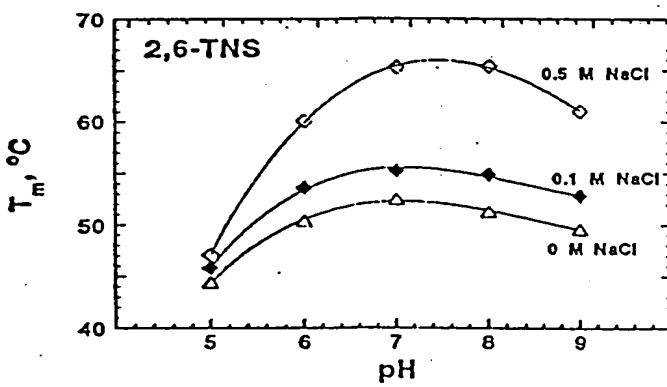


FIG. 17D

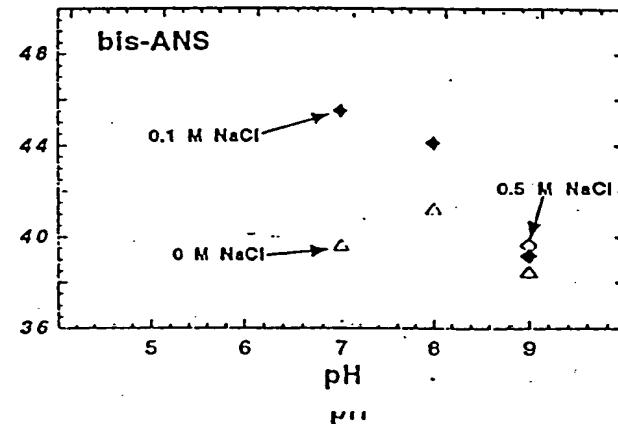


FIGURE 18

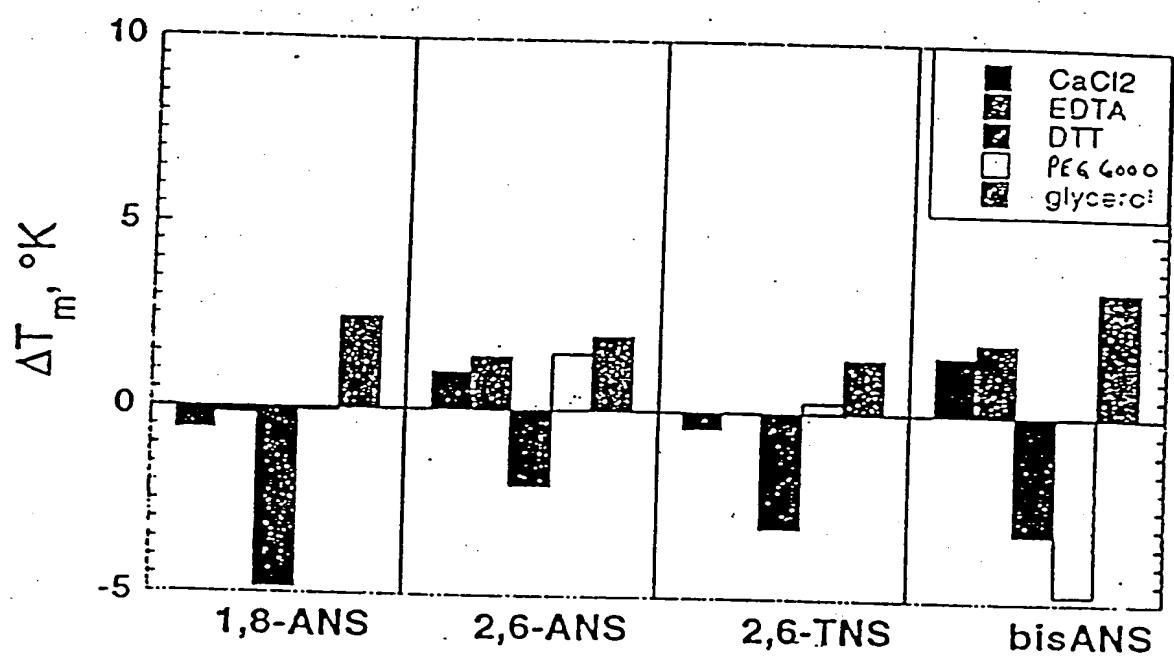


FIGURE 19

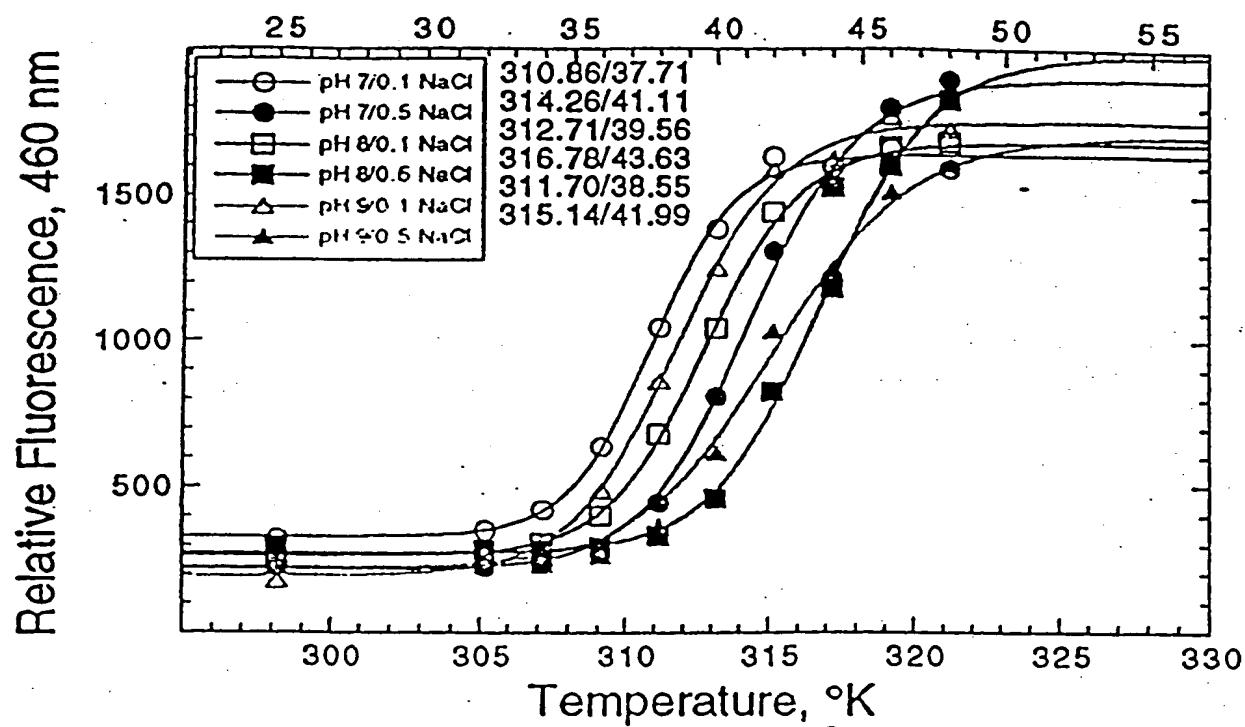


FIGURE 20

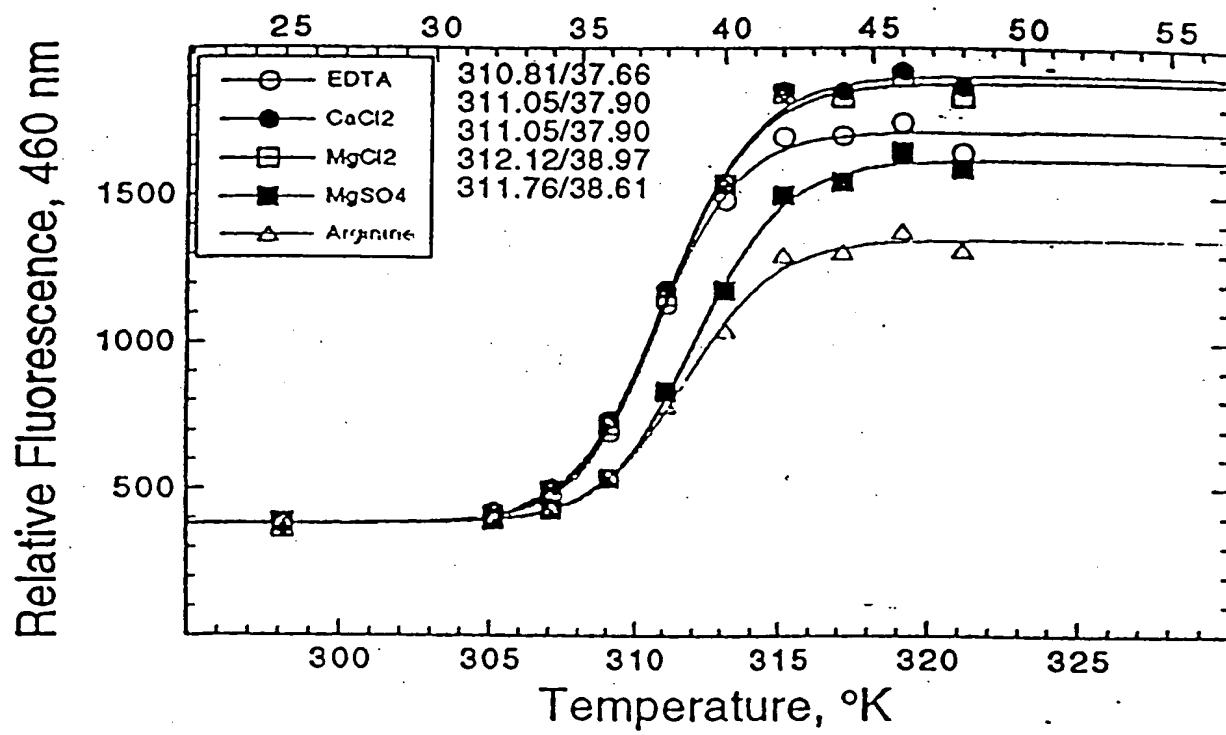


FIGURE 21

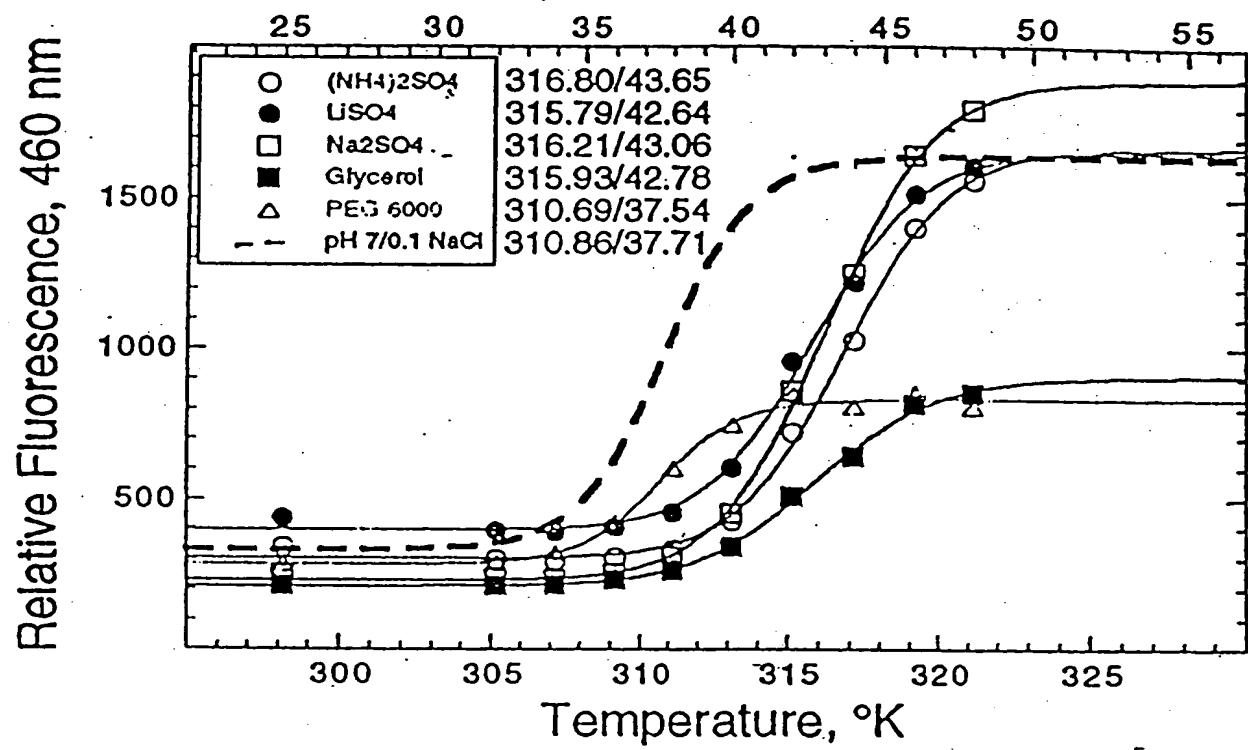


FIGURE 22

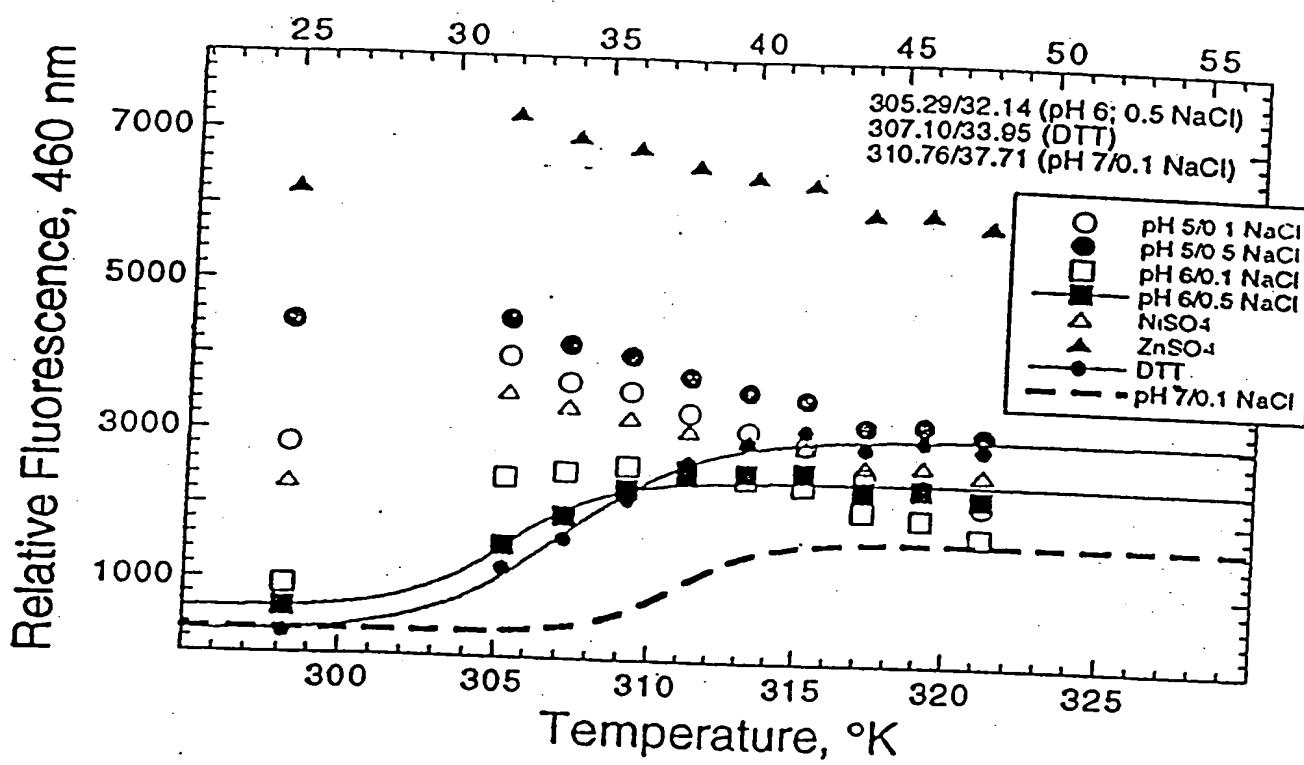


FIGURE 23

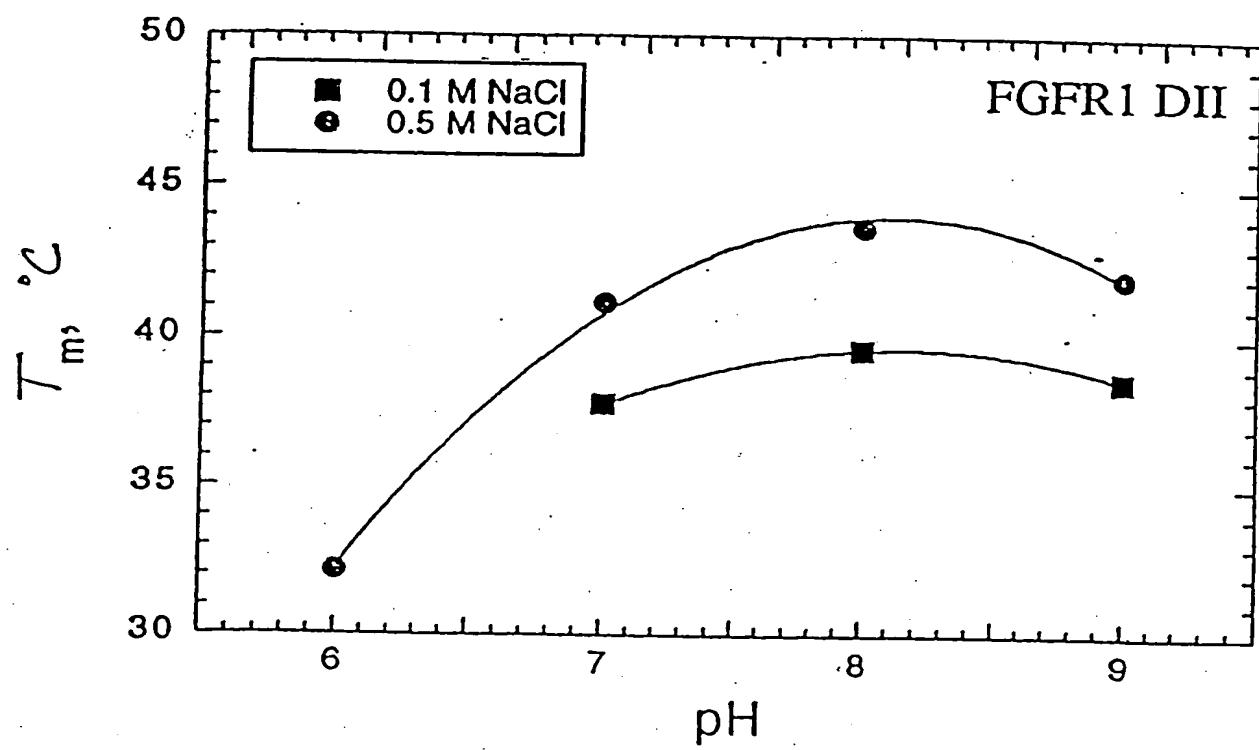


FIGURE 24

FGFR1 DII

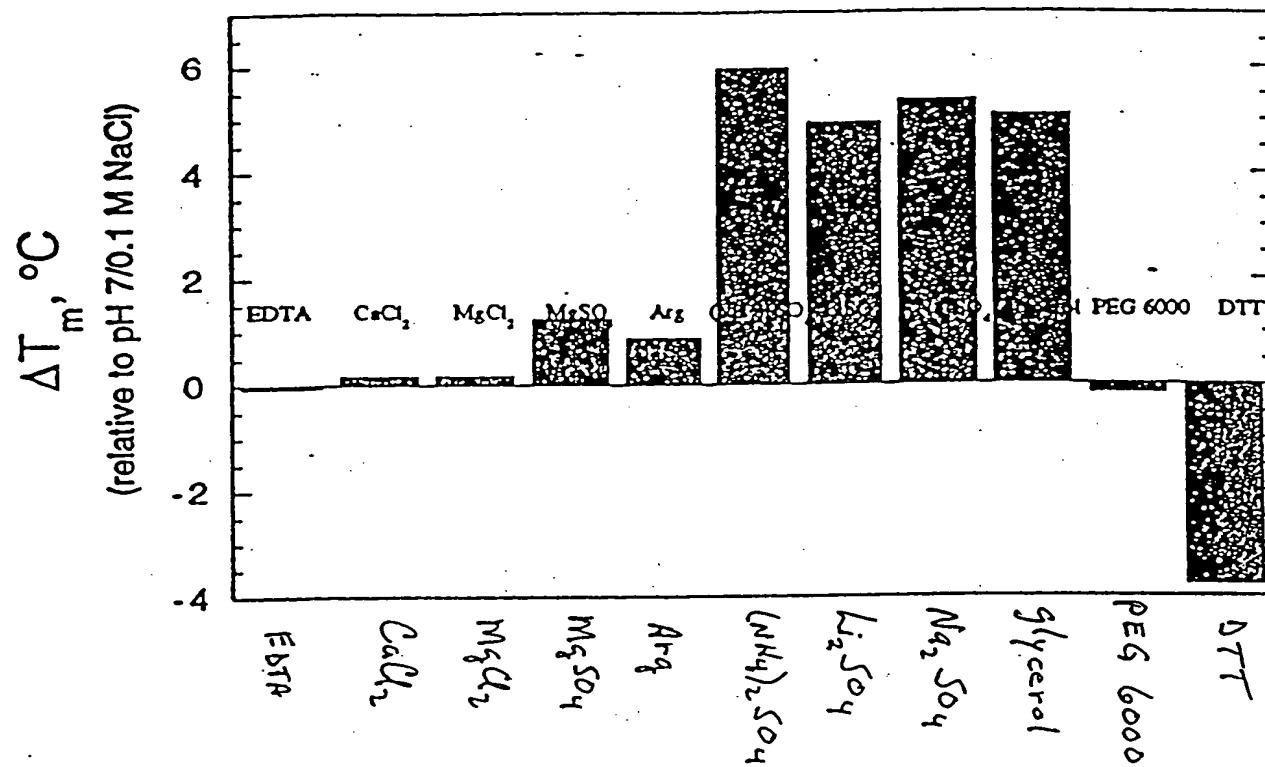
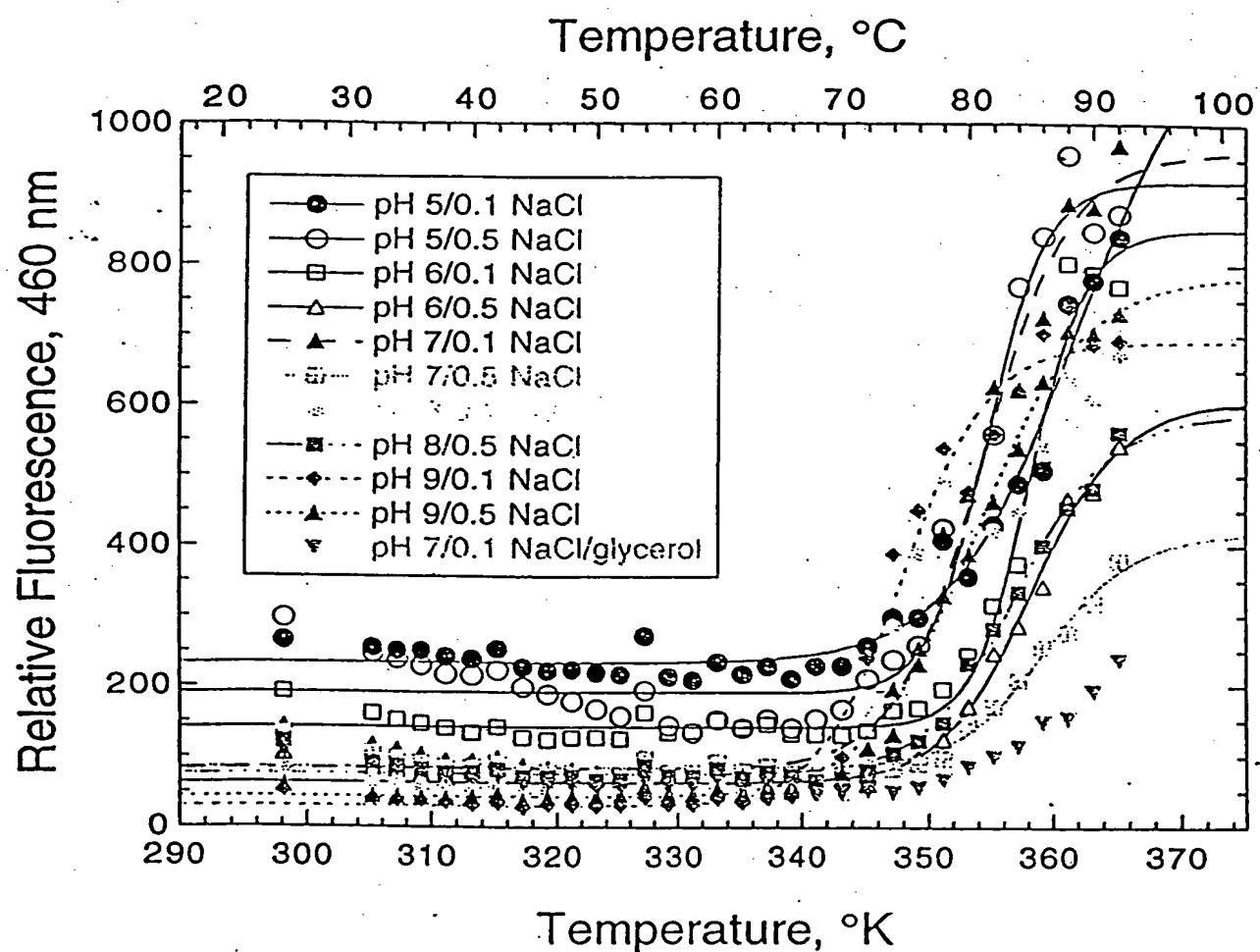


FIGURE 25



Native-Ligand Complex
NL'

Native State
N

Unfolded State
U

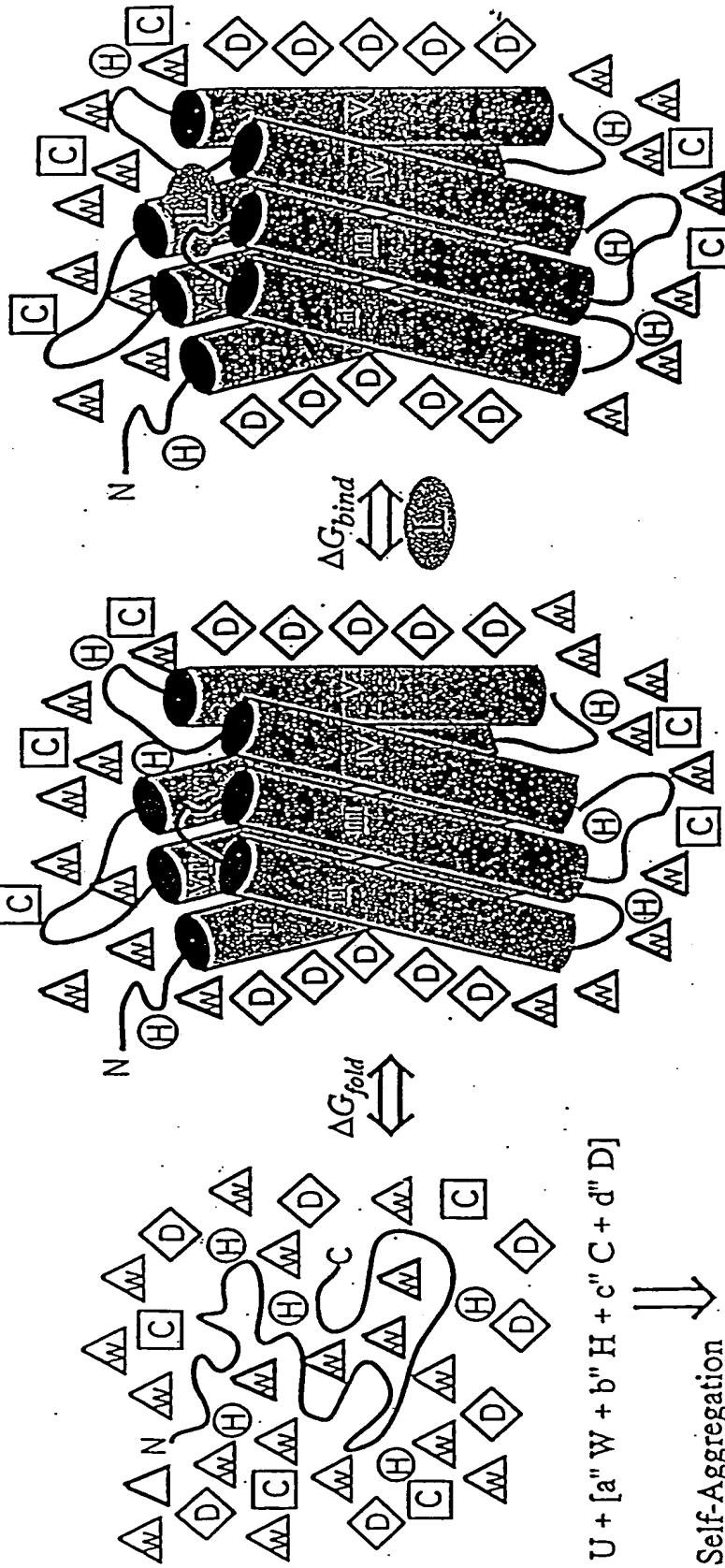
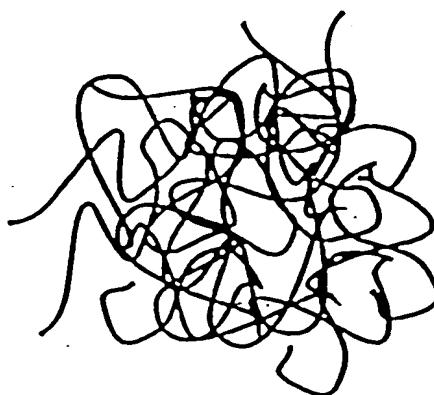


FIGURE 26

$$NL' + [a' W + b' H + c' C + d' D]$$

$$\Delta G_{fold} = \Delta G_{conf} + \sum_i \Delta g_{i,int} + \sum_i \Delta g_{i,s} + \Delta W_{el} + (\Delta G_{bind})$$

Self-Aggregation



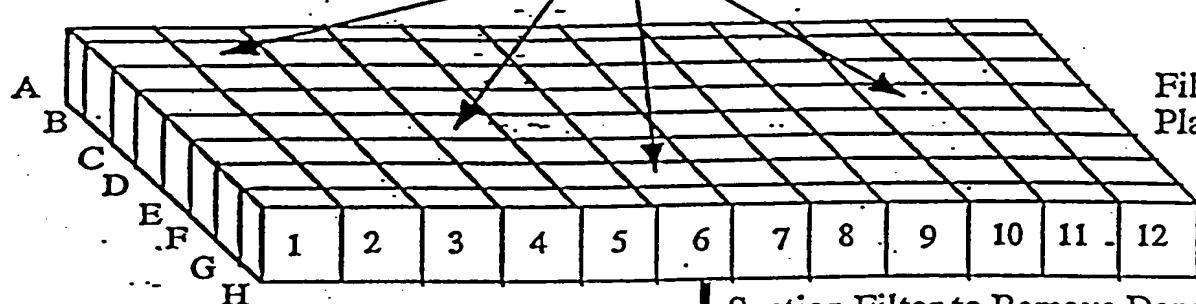
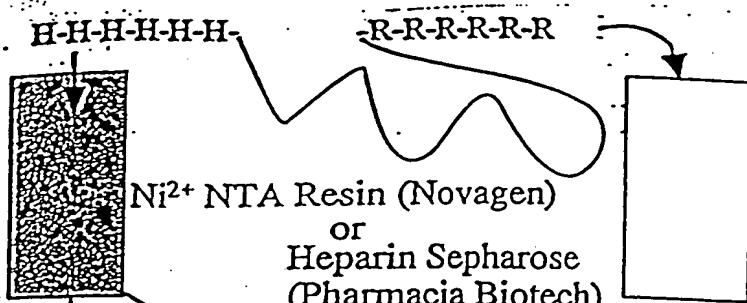
Legend			
	Water Molecules		Ionizable Protons
	Counterions or Hofmeister Salts		Detergent or Lipid Molecules

FIGURE 27

Tagged Denatured Protein

Denaturant: 6 M Gdn-HCl
8 M Urea
0.2% SDS

Reducing Agents: DTT, or β ME

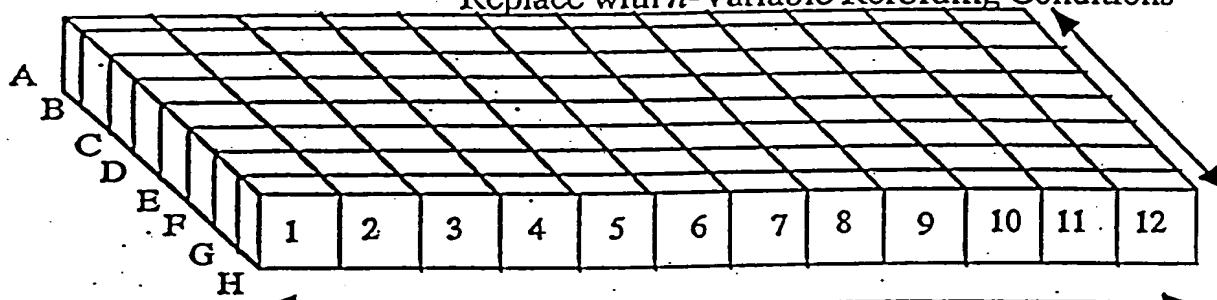


Filter Screen
Plate (Millipore)

Suction Filter to Remove Denaturant

Microplate Protein Folding

Replace with *n*-Variable Refolding Conditions



Variable X (pH, Temp., Glycerol, Detergent, [Detergent],
Glutathione Redox Buffer, ligand or cofactor, etc.)

Thermal shift Assay

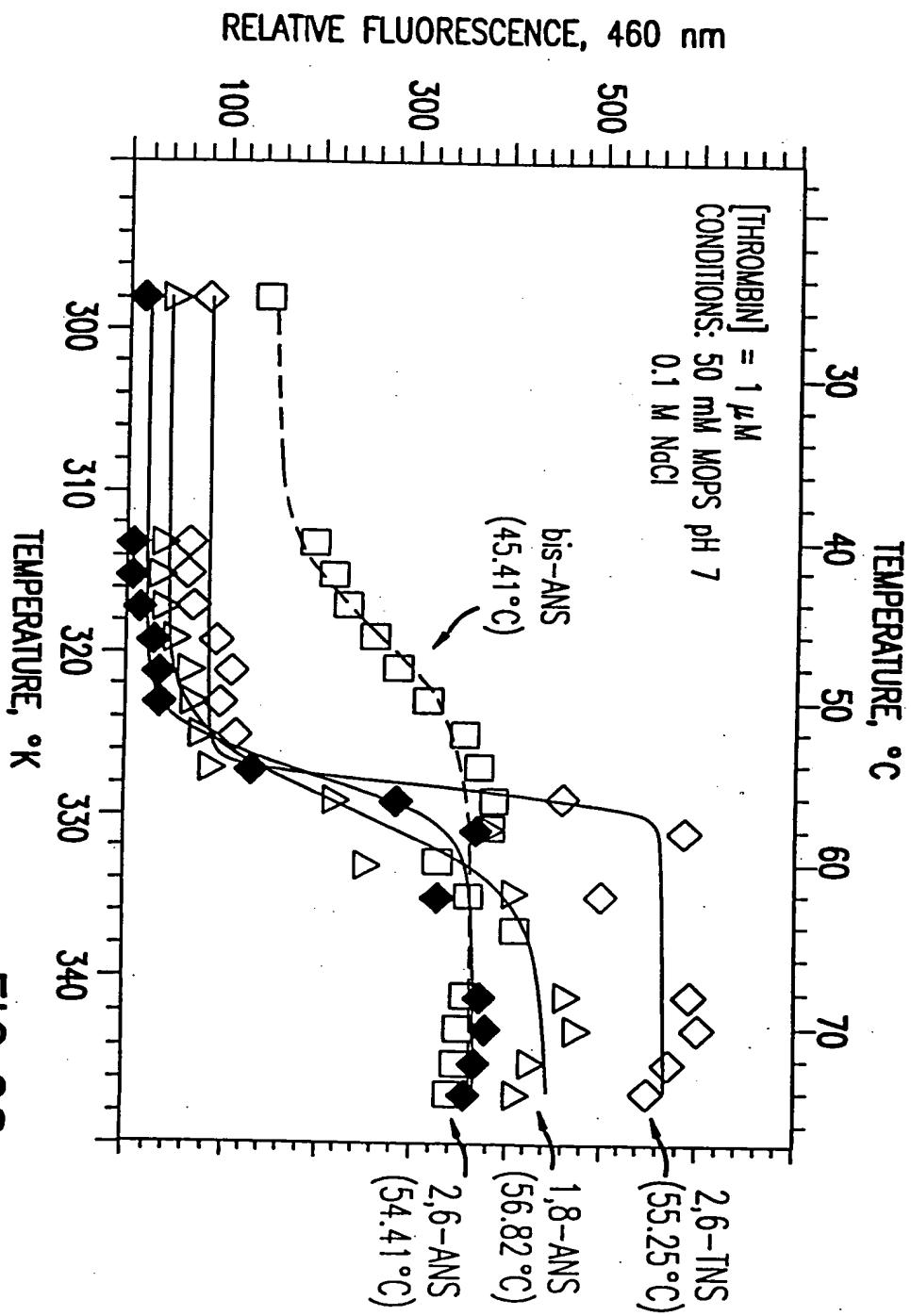


FIG. 28

FIG. 29

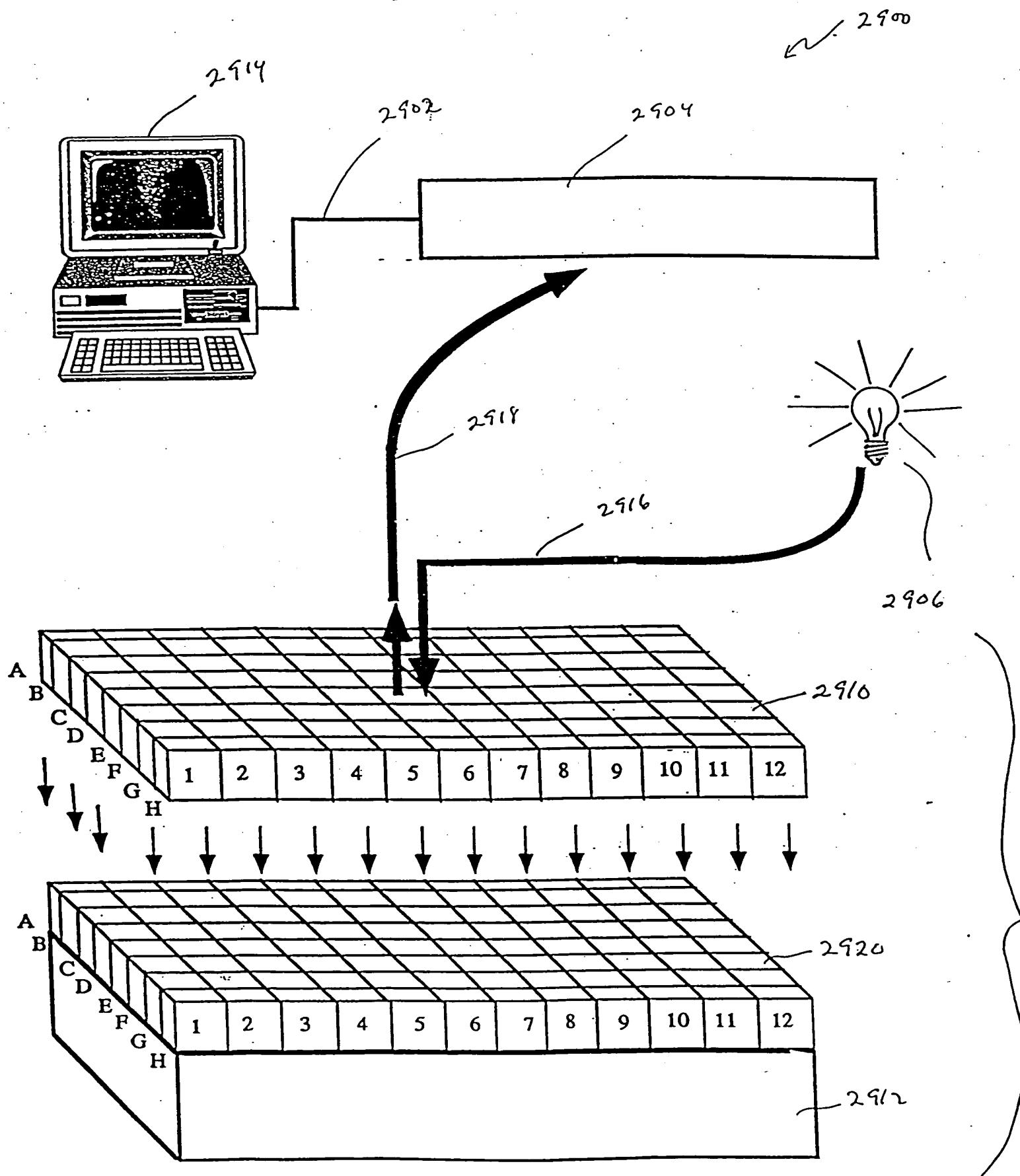


FIG. 30

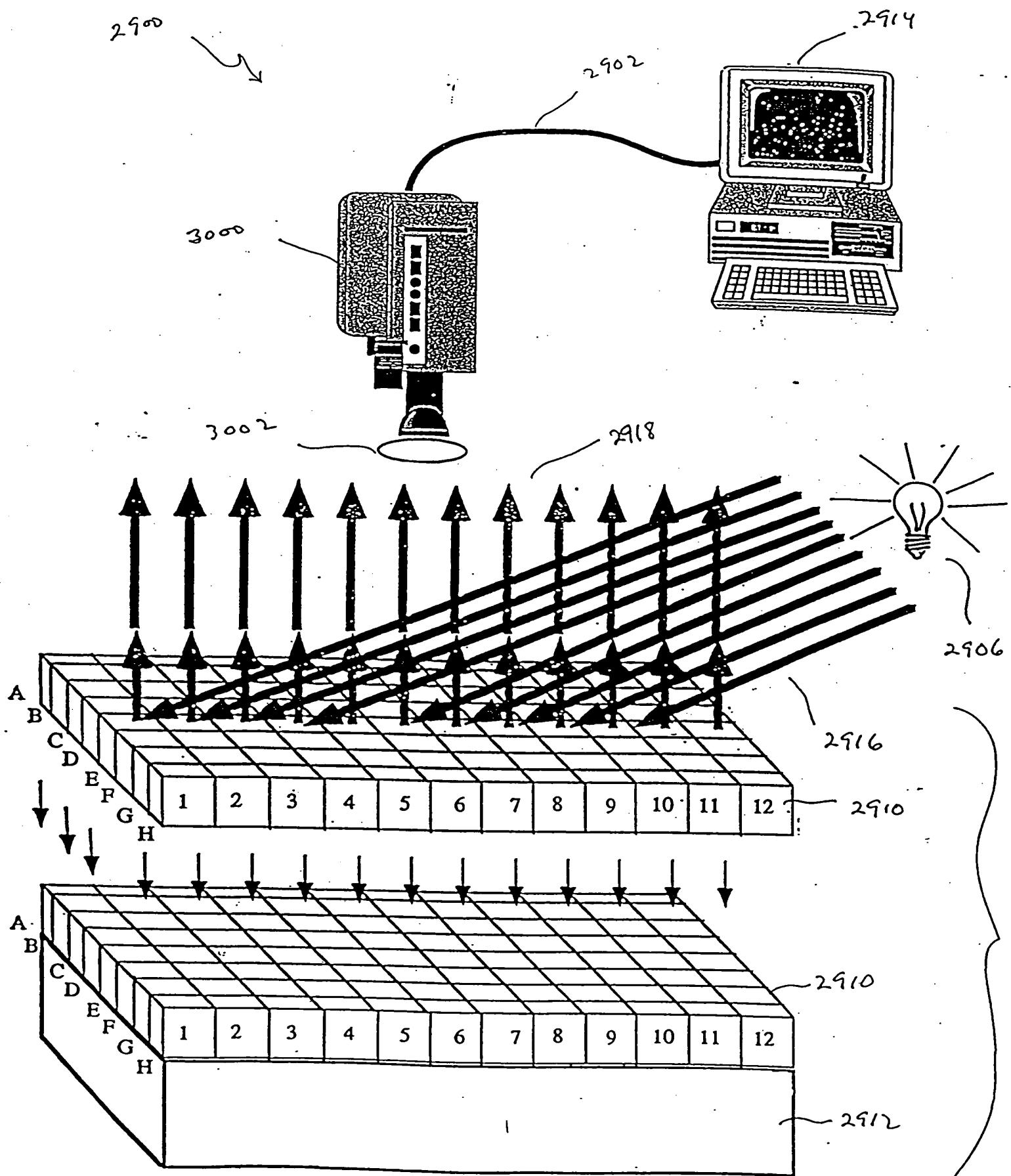


FIG. 31

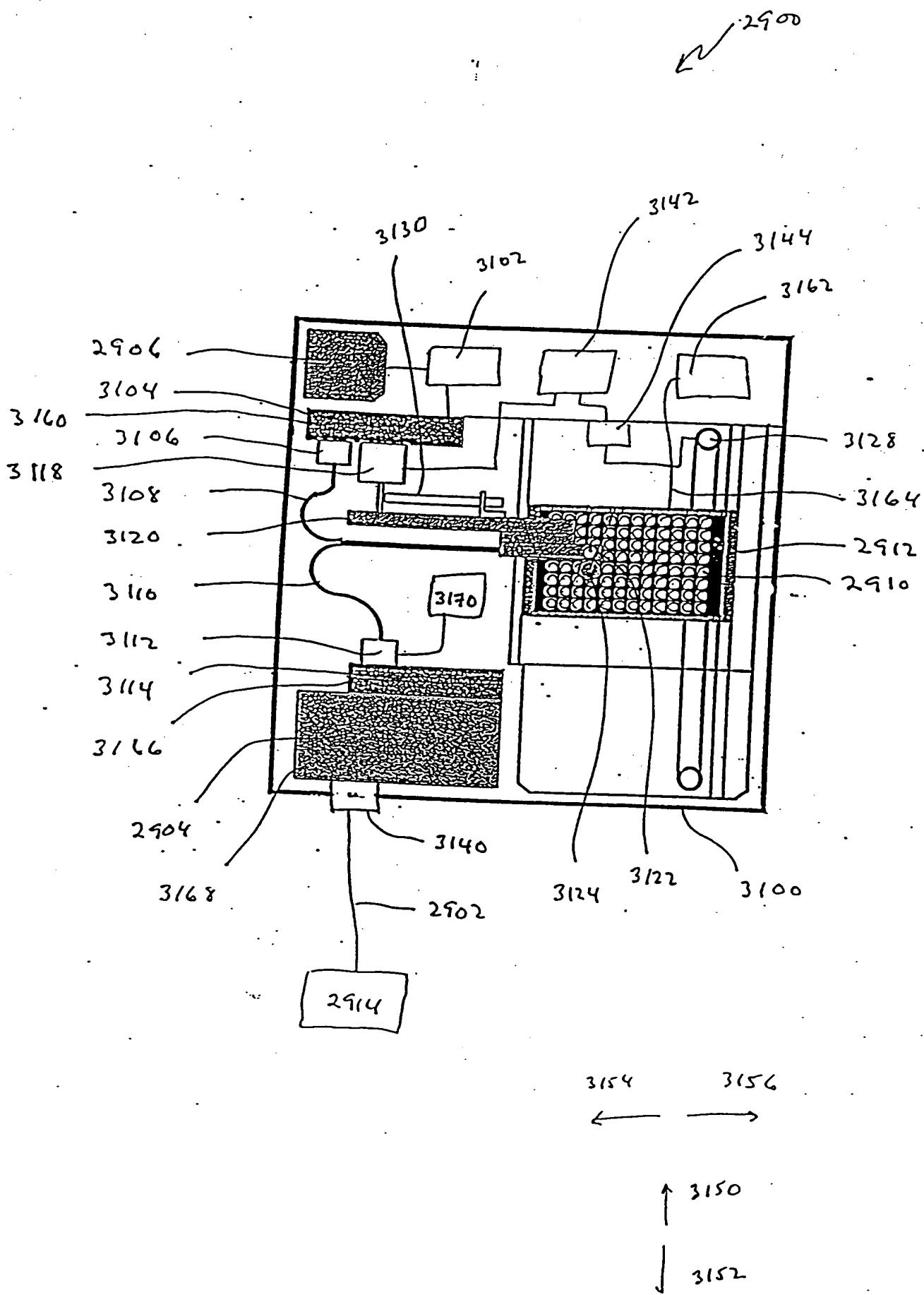


FIG. 32A

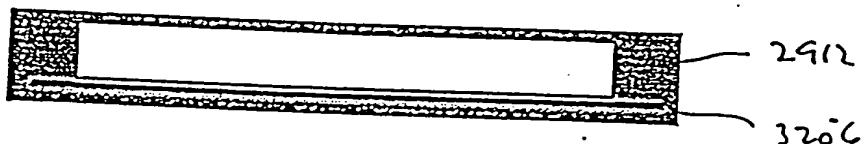


FIG. 32B

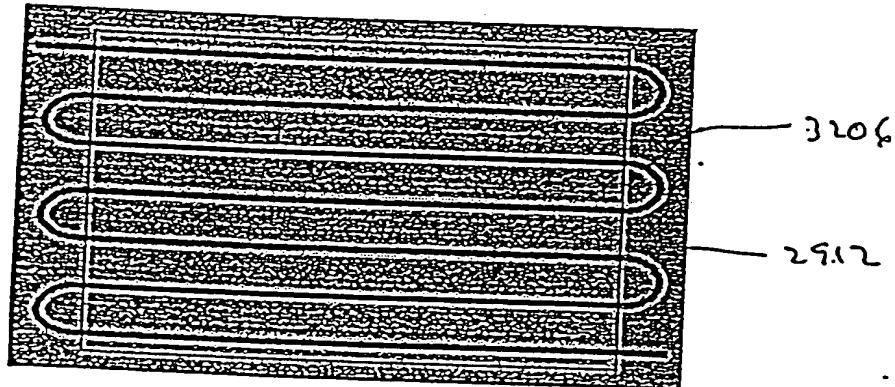


FIG. 32C



FIG. 32D



FIG. 32E

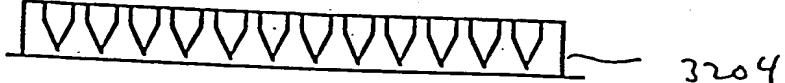


FIG. 33

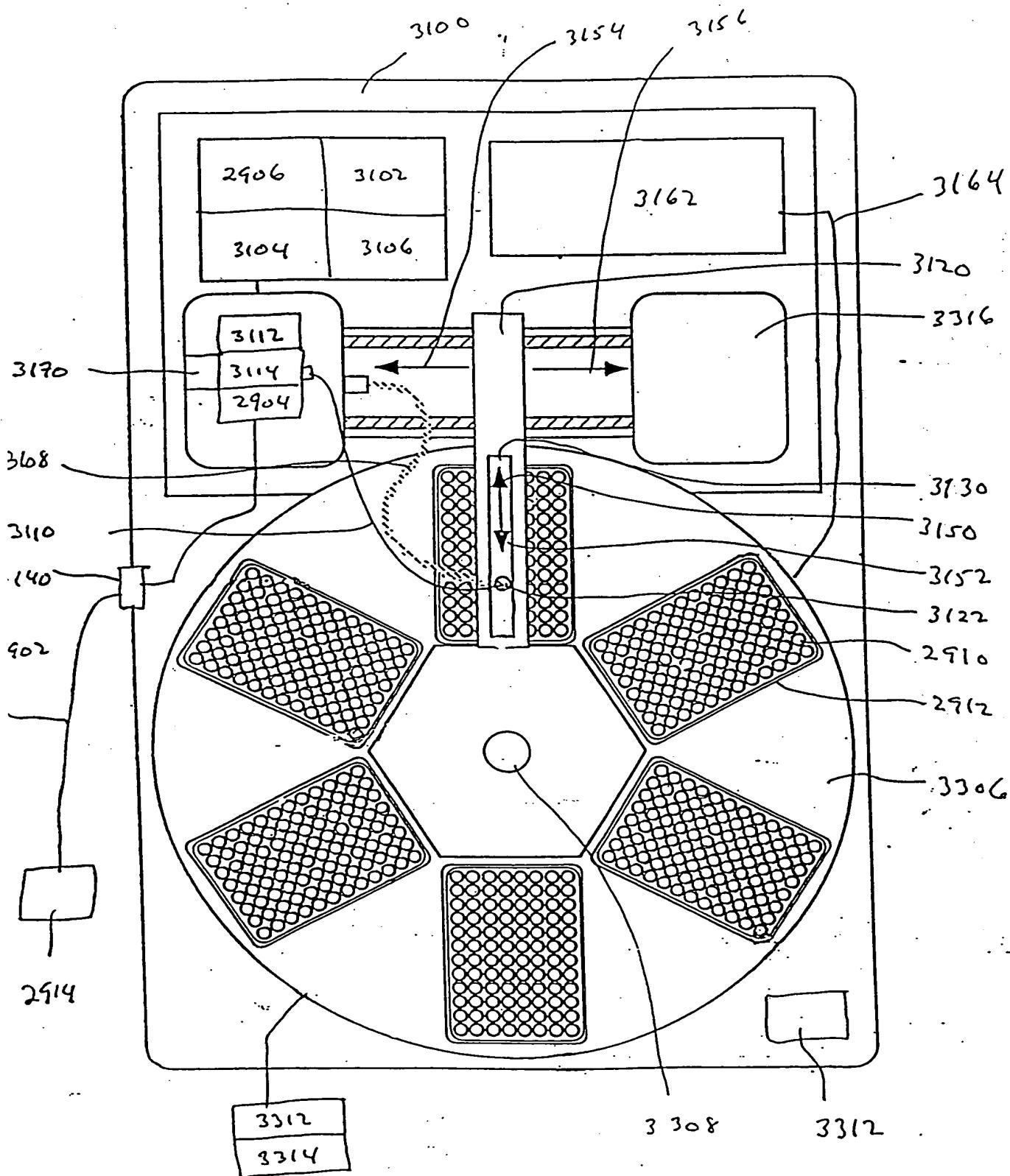


FIG. 34

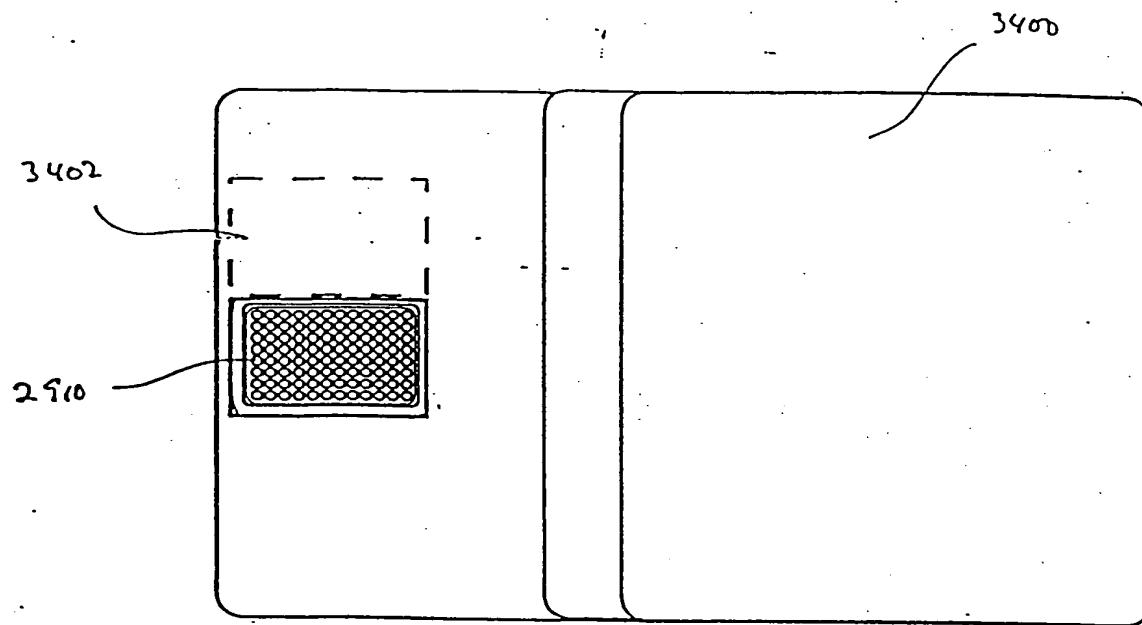
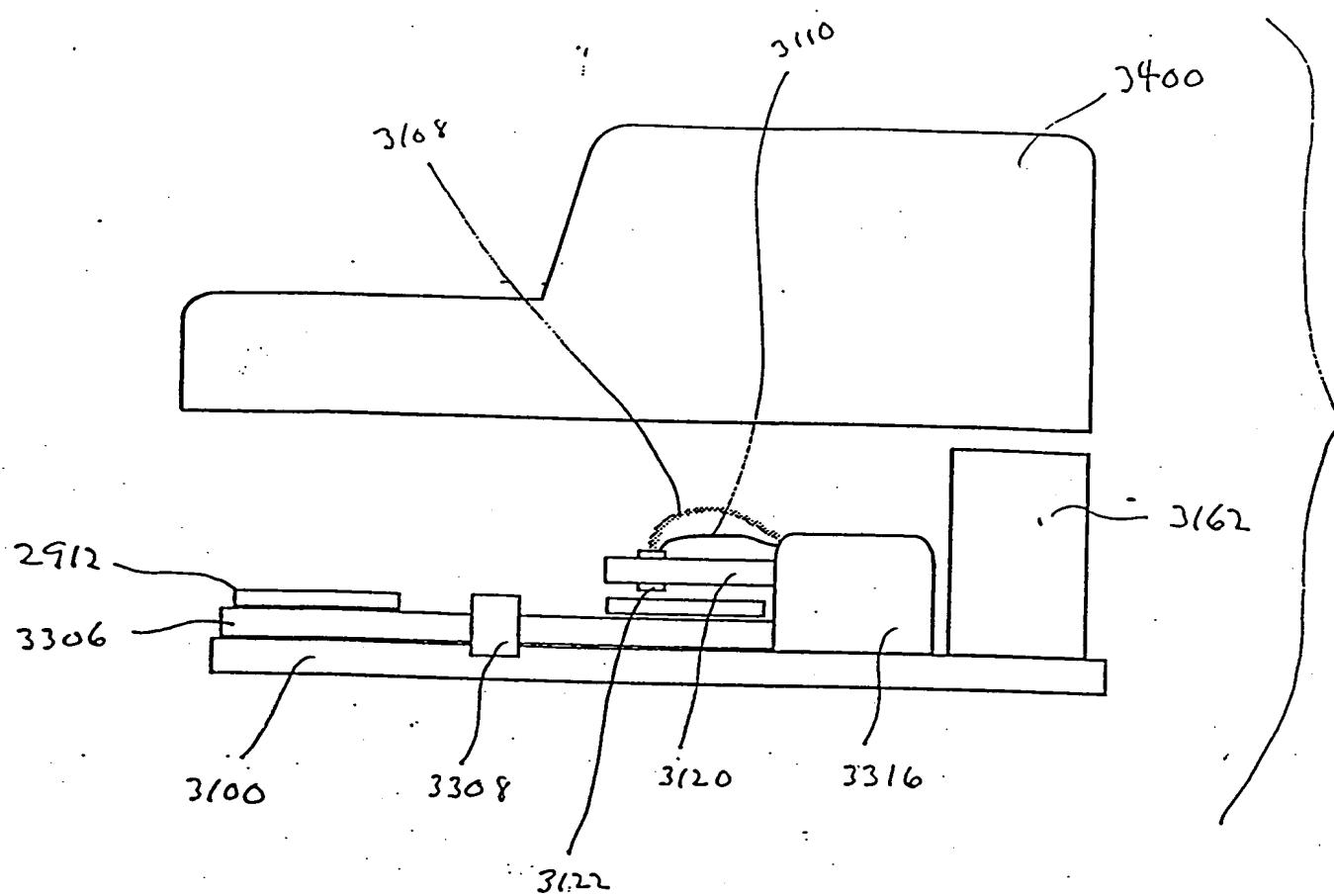


FIG. 35



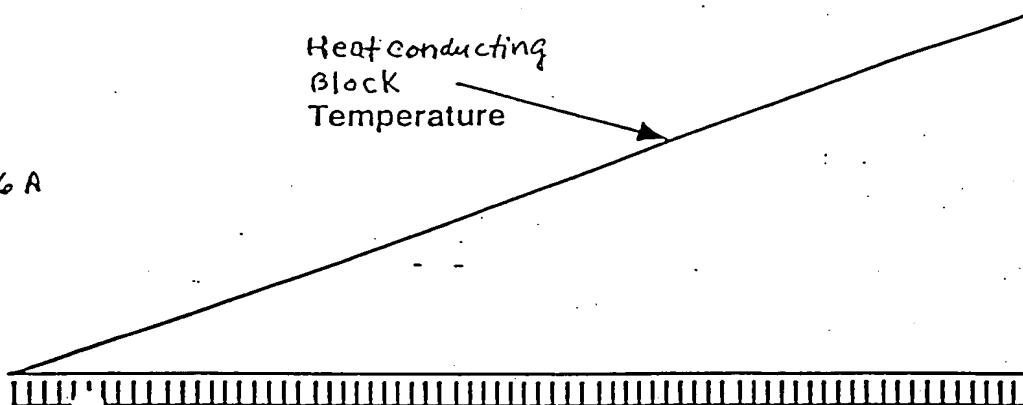


FIG. 36 A

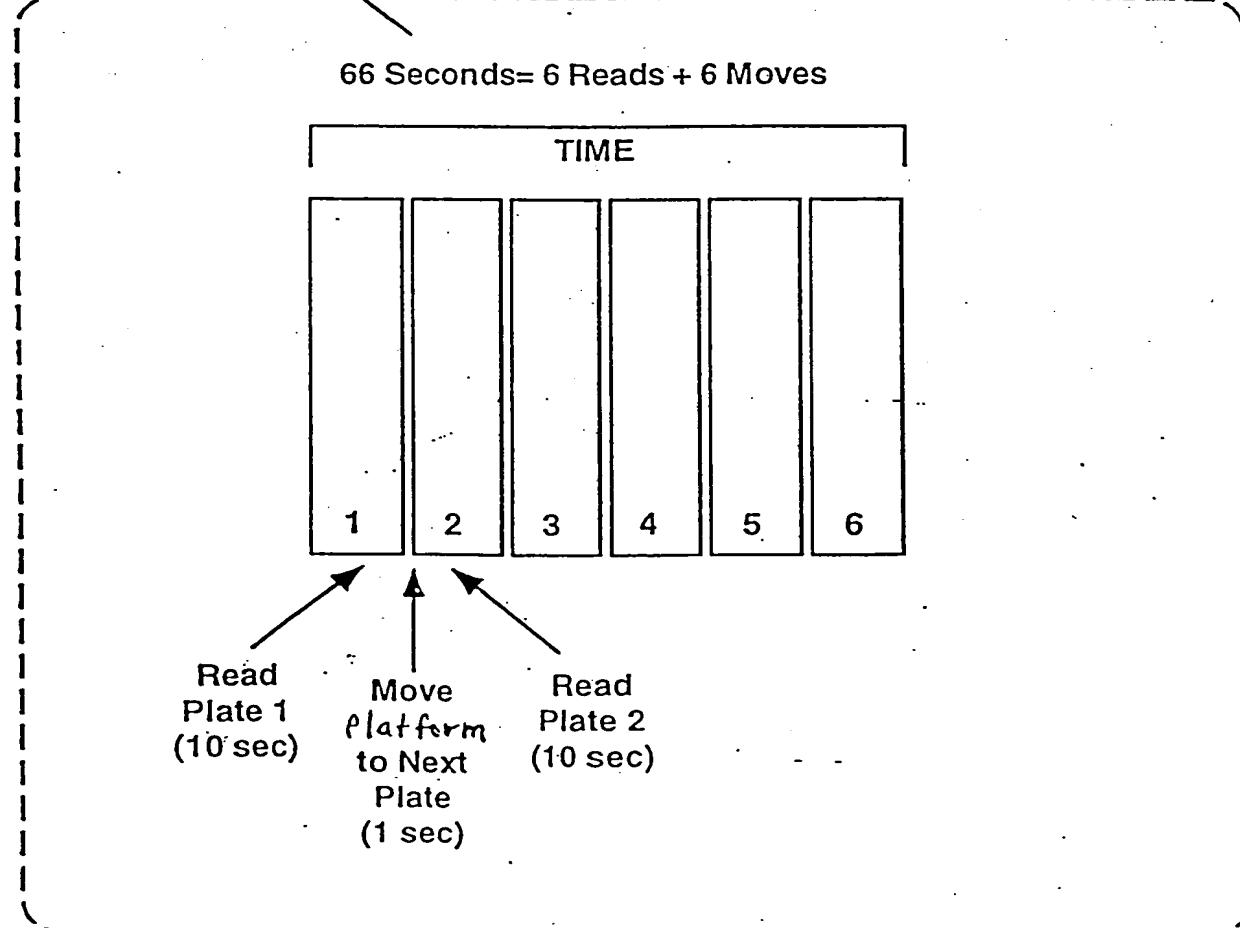


FIG. 36 B

FIG. 37

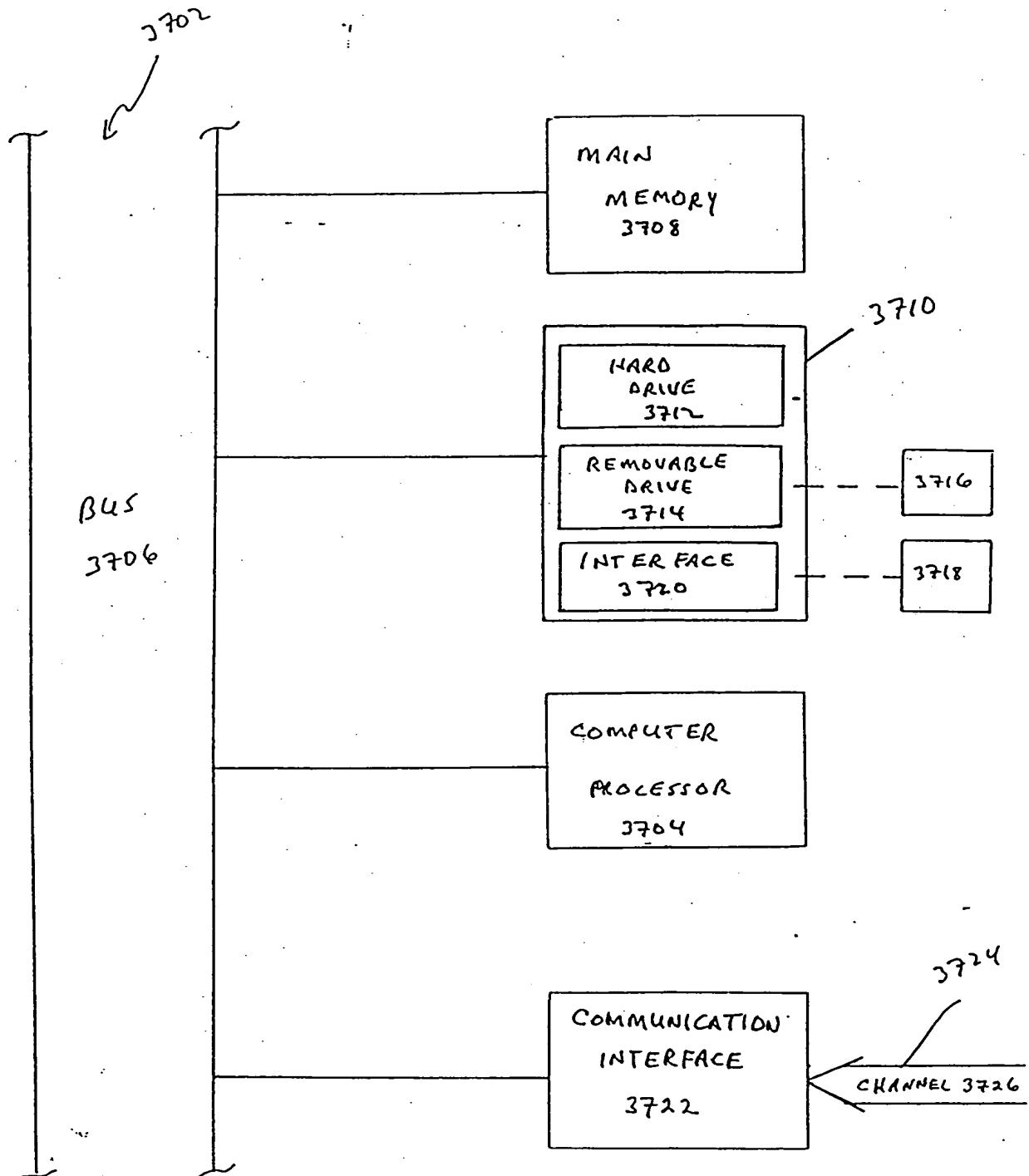


FIG. 38

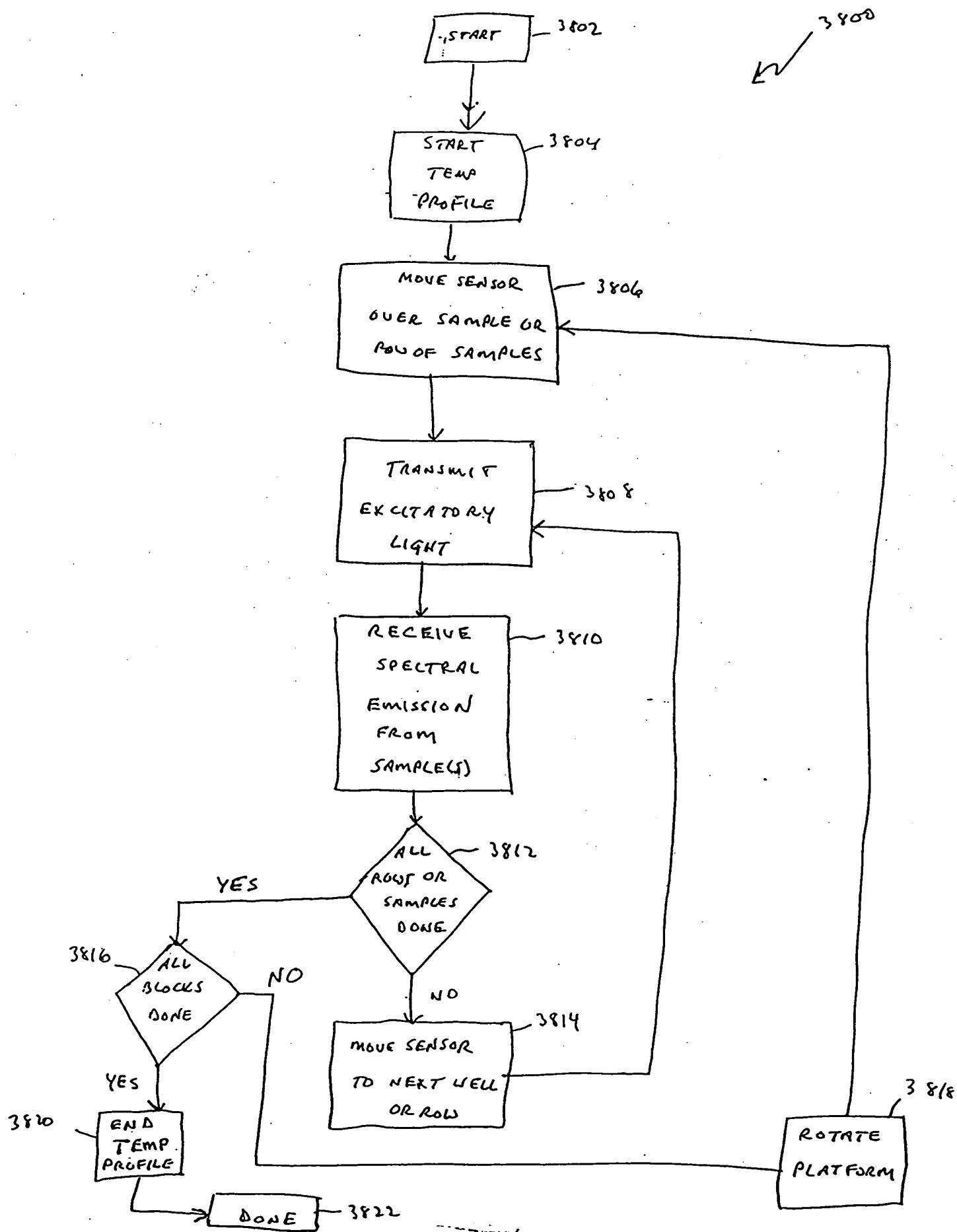


FIG. 39

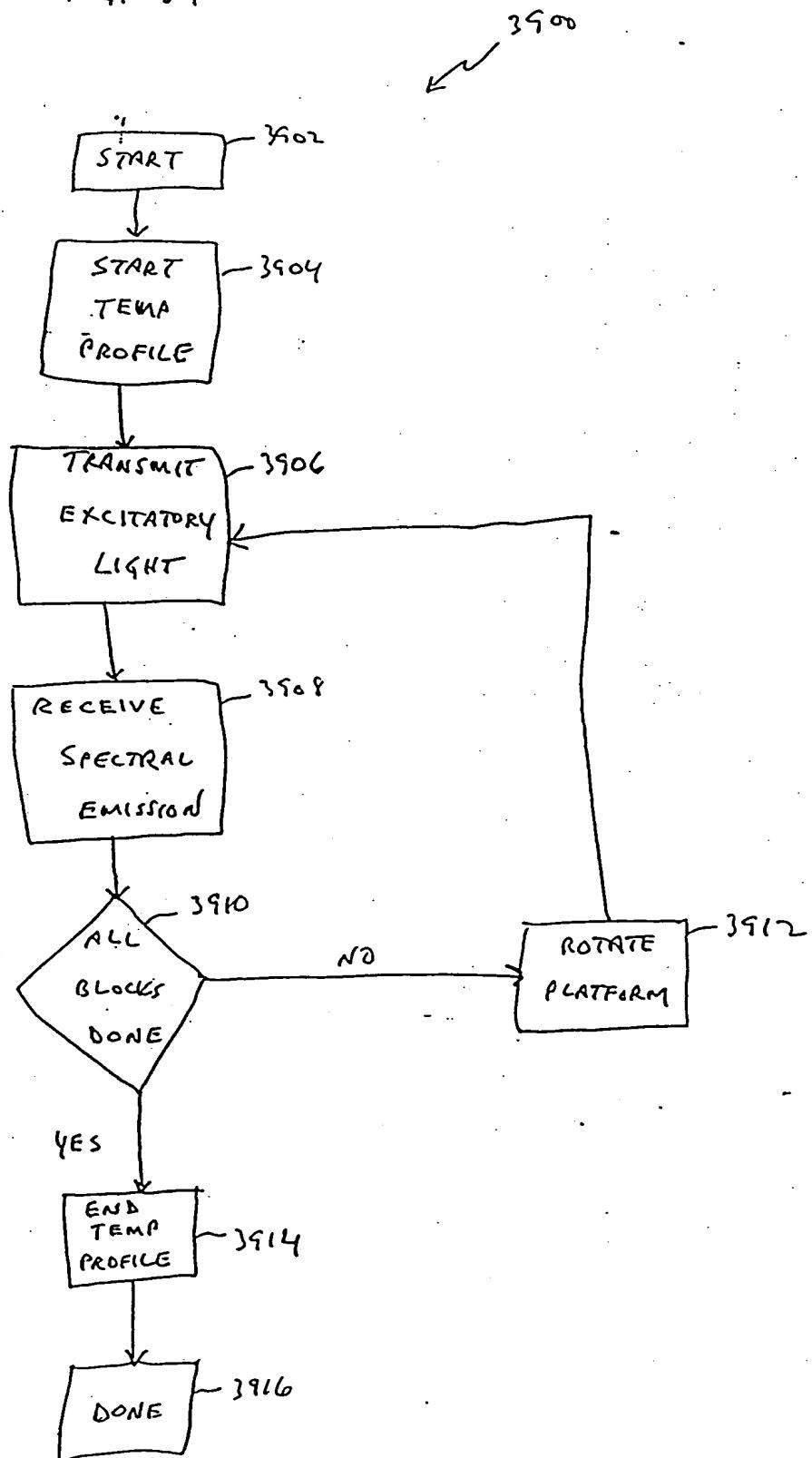


FIGURE 40

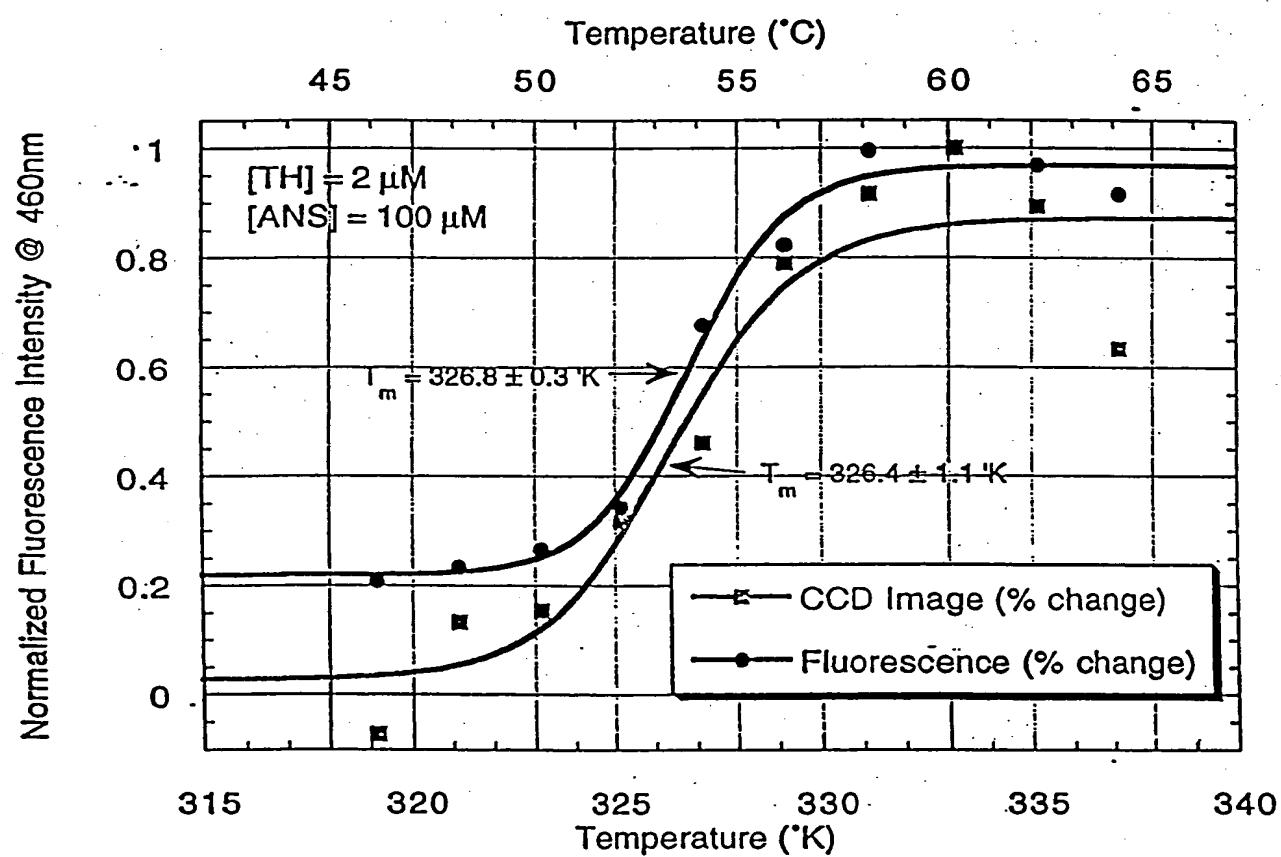
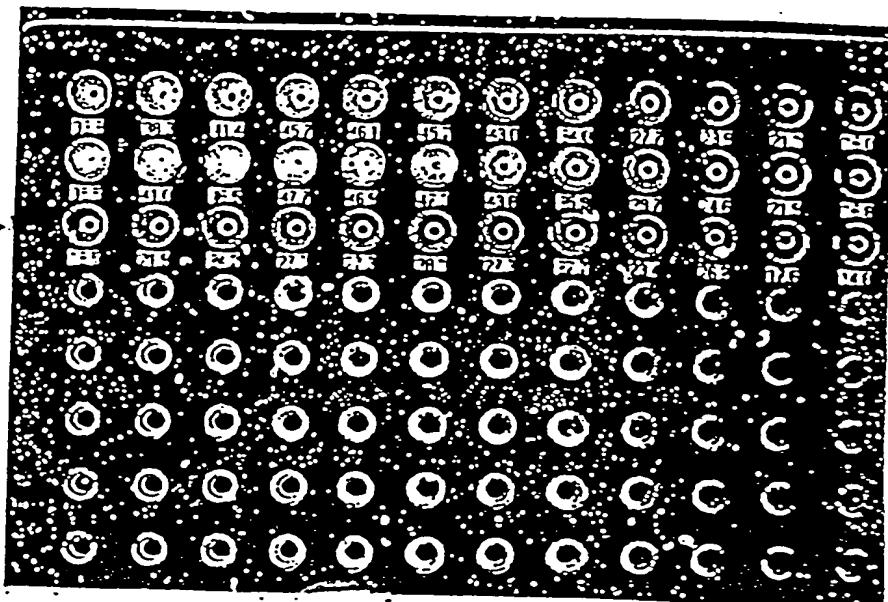


FIG. 41A

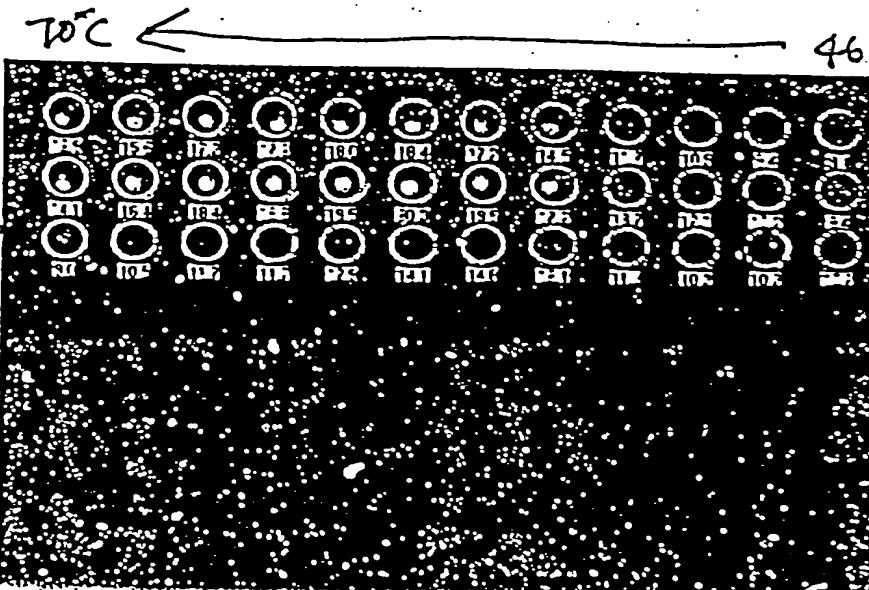
control →
RNA/protein



44

FIG. 41B

control →



46

FIGURE 42

